JUL 02 1990

Water Resources Data Florida

Water Year 1989

Volume 2B. South Florida Ground Water

Volume 4
Southwest
Florida
Volume 2
South Florida

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-89-2B
Prepared in cooperation with the State of Florida
and with other agencies

I

CALENDAR FOR WATER YEAR 1989

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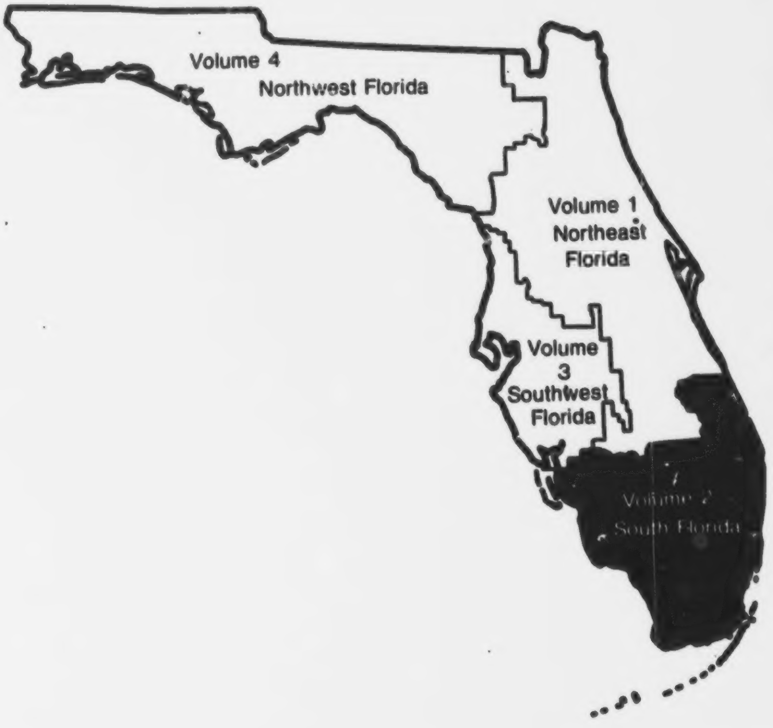
March 3, 1849

Water Resources Data Florida Water Year 1989

Volume 2B. South Florida Ground Water

by W.J. Haire and C. Lietz


Volume 4
Northwest Florida
Volume 1
Northeast
Florida
Volume
3
Southwest
Florida
Volume 2
South Florida

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-89-2B
Prepared in cooperation with the State of Florida
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

Prepared in cooperation with the
State of Florida
and with other agencies as listed
under cooperation

For additional information write to
Subdistrict Chief, Water Resources Division
U.S. Geological Survey
9100 N.W. 36th Street
Suites 106 & 107
Miami, Florida 33178
Telephone: (305) 536-5382

1990

PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes.

Volume 1. Northeast Florida
Volume 2. South Florida
Volume 3. Southwest Florida
Volume 4. Northwest Florida

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by N. D. Verjano under the supervision of W. J. Haire, A. C. Lietz, and E. Price. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data.

Miami Subdistrict Office

J. B. Barbary
G. D. Cartano
J. J. Fontana
R. J. Freret
S. Hill
R. Kane
R. Krulikas
H. LaRose
A. C. Lietz
D. J. McKenzie
P. M. Messer
M. H. Murray
M. A. Oliver
J. B. Overholser
E. Patino
R. J. Southwood
D. A. Walters
J. S. Whitley
A. Wooten
E. B. Workman

This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of I. H. Kantrowitz, District Chief, Florida.

Hydrologic data for south Florida are contained in two volumes:

Volume 2A: Surface Water
Volume 2B: Ground Water

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Water Resources Division
9100 N.W. 36th Street, Suites 106 & 107
Miami, Florida 33178

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16. Abstract (Limit: 200 words)

Water resources data for the 1989 water year in Florida consists of continuous or daily discharge for 295 streams, periodic discharge for 36 streams, miscellaneous discharge for 75 streams, continuous or daily stage for 154 streams, periodic stage for 13 streams, peak discharge for 57 streams, continuous daily tide stage for 12 streams, and peak stage for 30 streams, continuous or daily elevations for 72 lakes, periodic elevations for 72 lakes; continuous ground-water levels for 514 wells, periodic ground-water levels for 514 wells, and miscellaneous water level measurements for 2,678 wells; quality of water data for 149 surface-water sites and 827 wells.

The data for South Florida include continuous or daily discharge for 61 streams, continuous or daily stage for 80 streams, continuous elevation for 1 lake; continuous ground-water levels for 220 wells, periodic ground-water levels for 320 wells, and miscellaneous water-level measurments for 329 wells; quality-of-water for 3 surface-water sites and 545 wells.

This data represent the National Water Data System records collected by the U.S. Geological Survey and cooperation local, state and federal agencies in Florida.

17. Document Analysis a. Descriptors
*Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow rate, Gaging Stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations, Water wells

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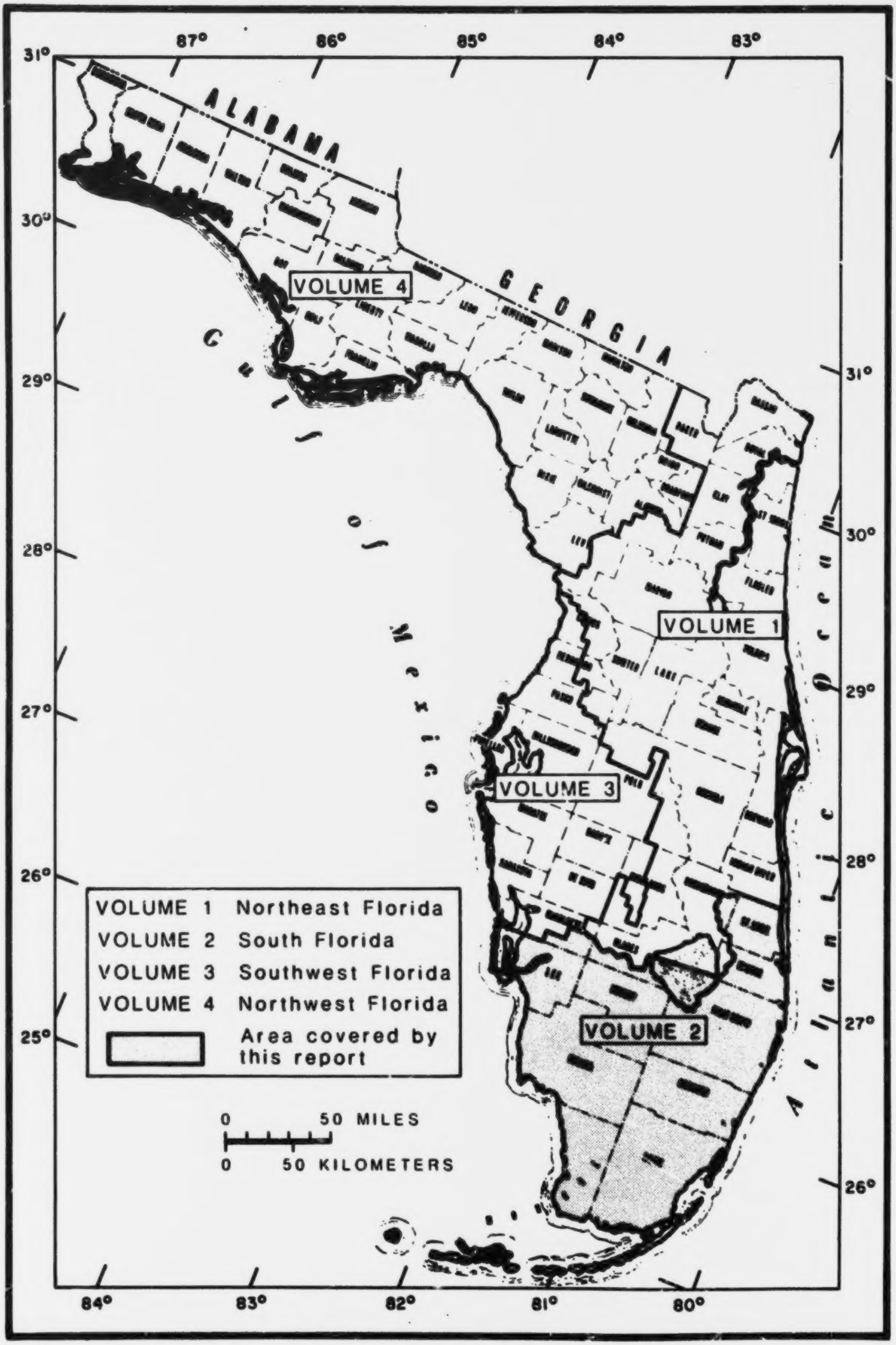
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VOLUME 1
VOLUME 3
VOLUME 2
Gulf of Mexico
Atlantic Ocean
VOLUME 1 Northeast Florida
VOLUME 2 South Florida
VOLUME 3 Southwest Florida
VOLUME 4 Northwest Florida
Area covered by this report
0 50 MILES
0 50 KILOMETERS

Figure 1. Geographic area covered by this report VII

CONTENTS

Page

- Preface III
- Introduction 1
- Cooperation 1
- Summary of hydrologic conditions 2
- Special networks and programs 3
- Explanation of the records 4
  - Station identification numbers 4
    - Downstream order system 4
    - Latitude-longitude system 4
  - Records of stage and water discharge 5
    - Data collection and computation 5
    - Data presentation 5
    - Identifying estimated daily discharge 7
    - Accuracy of the records 7
    - Other records available 7
  - Records of surface-water quality 7
    - Classification of records 7
    - Arrangement of records 7
    - On-site measurements and sample collection 8
    - Water temperature 8
    - Sediment 8
    - Laboratory measurements 8
    - Data presentation 8
    - Remarks codes 9
  - Records of ground-water levels 9
    - Data collection and computation 9
    - Data presentation 10
  - Records of ground-water quality 10
    - Data collection and computation 10
    - Data presentation 10
- Access to WATSTORE data 11
- Definition of terms 12
- Publications on Techniques of Water-Resources Investigations 17
- Selected references 19
- Well Descriptions and Ground-Water Data 21
  - Broward County 22
    - Miscellaneous Water-Level Measurements 42
    - Quality of Ground Water 51
  - Collier County 60
    - Miscellaneous Water-Level Measurements 138
    - Quality of Ground Water 139
  - Dade County 148
    - Miscellaneous Water-Level Measurements 181
    - Quality of Ground Water 186
  - Glades County 190
    - Quality of Ground Water 194
  - Hendry County 196
    - Quality of Ground Water 223
  - Lee County 226
    - Miscellaneous Water-Level Measurements 328
    - Quality of Ground Water 330
  - Martin County 340
    - Miscellaneous Water-Level Measurements 354
    - Quality of Ground Water 359
  - Palm Beach County 362
    - Miscellaneous Water-Level Measurements 382
    - Quality of Ground Water 390
  - St. Lucie County 396
    - Miscellaneous Water-Level Measurements 400
    - Quality of Ground Water 402
- Index to Introductory Text 403

ILLUSTRATIONS

Figure 1. Geographic area covered by this report........ V
Figure 2. NASQAN stations in Florida........ 3
Figure 3. System for numbering wells and miscellaneous sites........ 4
Figure 4. Location of wells in Broward County........ 23
Figure 5. Location of wells in Collier County........ 61
Figure 6. Location of wells in Dade County........ 149
Figure 7. Location of wells in Glades County........ 191
Figure 8. Location of wells in Hendry County........ 197
Figure 9. Location of wells in Lee County........ 227
Figure 10. Location of wells in Martin County........ 341
Figure 11. Location of wells in Palm Beach County........ 363
Figure 12. Location of wells in St. Lucie County........ 397

WATER RESOURCES DATA - FLORIDA, 1989
Volume 2B: South Florida

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State, County, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State.

The data for south Florida include continuous or daily discharge for 61 streams, continuous or daily stage for 80 streams, and peak stage for 12 streams; continuous elevations for 1 lake; continuous ground-water levels for 220 wells, periodic ground-water levels for 320 wells, and miscellaneous water-level measurements for 329 wells; quality-of-water data for 3 surface-water sites and 545 wells.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water- resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-89-2B." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the Office Chief at the address given on the back of the title page or by telephone (305) 648-6191.

COOPERATION

The U.S. Geological Survey and agencies of the State of Florida have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

Broward County Environmental Quality Control Board
Broward County Utilities Division
City of Boca Raton
City of Cape Coral
City of Fort Lauderdale
City of Hallandale
City of Hollywood
City of Pompano Beach
City of Stuart
Corps of Engineers, U.S. Army
County of Broward
County of Dade
County of Lee
County of Palm Beach
Florida Department of Environmental Regulation
Florida Department of Transportation
Florida Division of Parks and Recreation
Florida Keys Aquaduct Authority
Miami-Dade Water and Sewer Authority
National Aeronautics and Space Administration
National Park Service, U.S. Department of the Interior
Palm Beach County Solid Waste Authority
Reedy Creek Improvement District
South Dade Soil and Waste Conservation District
South Florida Water Management District
Town of Highland Beach
U.S. Air Force
U.S. Environmental Protection Agency

Assistance with funds or services was given by the U.S. Army Corps of Engineers, Jacksonville District, in collecting records at hydrologic stations throughout the Subdistrict.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

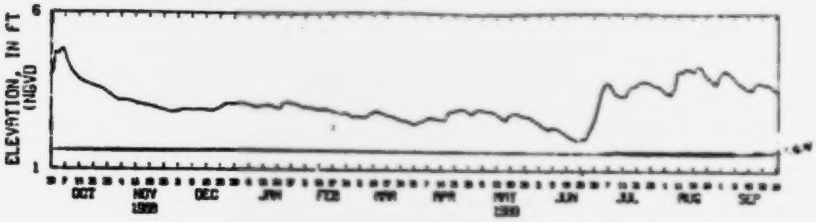
The 1989 water year started under very dry conditions with the wet season ending in October with below normal rainfall. November, the first month of the dry season, experienced normal rainfall with 2-4 inches in the Ft. Myers area to across Lake Okeechobee. Lake Okeechobee had declined 1 foot from an elevation of 16 feet starting in October to November. The rainfall and Tropical Storm Keith brought the decline in Lake elevation to a halt until the end of November. Dry conditions prevailed during December, necessitating releases from Lake Okeechobee to the Everglades Agricultural Area south of Lake Okeechobee. Near the end of December releases to Everglades National Park were reduced to zero. Below normal rainfall continued through January. Dry conditions during February caused Lake Okeechobee to decline over 1/2 foot by the end of the month. Heavy releases were made from Lake Okeechobee to alleviate conditions in the Everglades Agricultural Area. During March some relief from normal rainfall expected and releases from Lake Okeechobee helped maintain canal water levels in spite of Conservation Areas being very dry.

Most areas of South Florida received above normal rainfall during April except Ft. Myers. Most coastal structures were forced to make moderate to heavy releases to tide water but nearby well fields remained under drought stressed conditions. May brought less than normal rainfall and Lake Okeechobee continued to decline. The three water Conservation Areas No. 1, 2A and 3A remained extremely low. June, the first month that is normally the rainy season experienced low rainfall. Lake Okeechobee approached the 11 foot level and Conservation Areas remained dry. During May and June fires raged through the Everglades damaging more the 150,000 acres and destroying several gaging stations. No flow occurred at any of the Tamiami Canal Outlets from Miami to Carnestown from February to late June. The S-12 structures were closed completely from the end of December to beginning of September except for a few days in May when water was released for the fires. Abundant rainfall occurred in some areas of South Florida during July. The Water Conservation Areas recovered substantially but in Lake Okeechobee area little changed. Two tropical waves later in July moved near but produced no relief. Tropical Storm Chantal fromed in northwestern Gulf of Mexico on July 31. During August the three Conservation Areas continued to recover thanks to rainfall but Lake Okeechobee changed little.

At the end of August, Hurricane Gabrielle loomed about 3,000 miles to the east. This was the first time since 1936 that seven tropical storms have developed before September. Hurricane Dean formed in the Atlantic and turned north to Bermuda instead of heading to South Florida. Two more storms, Hurricane Erin and tropical storm Felix formed in the Atlantic but were no threat to Florida. Normal rainfall during August occurred except in the Everglades Agricultural Area. Lake Ckeechobee remained at a low level of around 11.50 feet by the end of August. September had lower than normal rainfall except around Conservation Areas, which continued to recover. The first back pumping to be allowed into Lake for a long time occurred during the last half of September. Back pumping was suspended due to higher than expected nutrient level. Hurricane Garbrielle intensified to a category 4 hurricane but missed South Florida

The dry conditions during the 1989 water year caused concern for the supply of ground water in the aquifers. Water level readings were taken twice a month to allow South Florida Management District to monitor for possible salt water intrusion near the coastal areas. Many wells had water levels that exceeded the period of record lowest daily maximum water level.

The following hydrographs show representative stations in three counties, the lows that occurred this year compared to minimum for Period of Record prior to 1989 Water Year.



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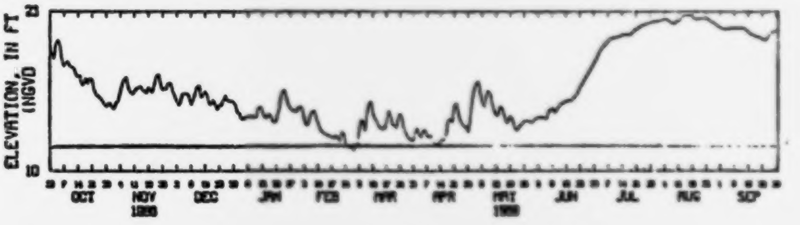

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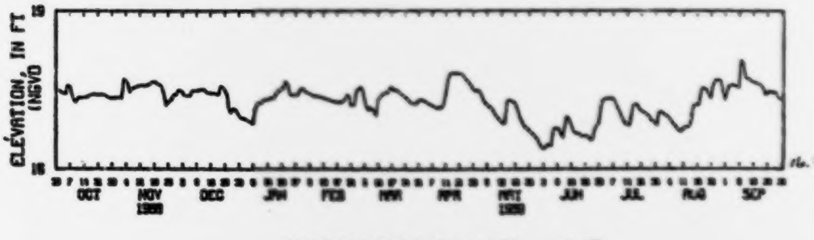

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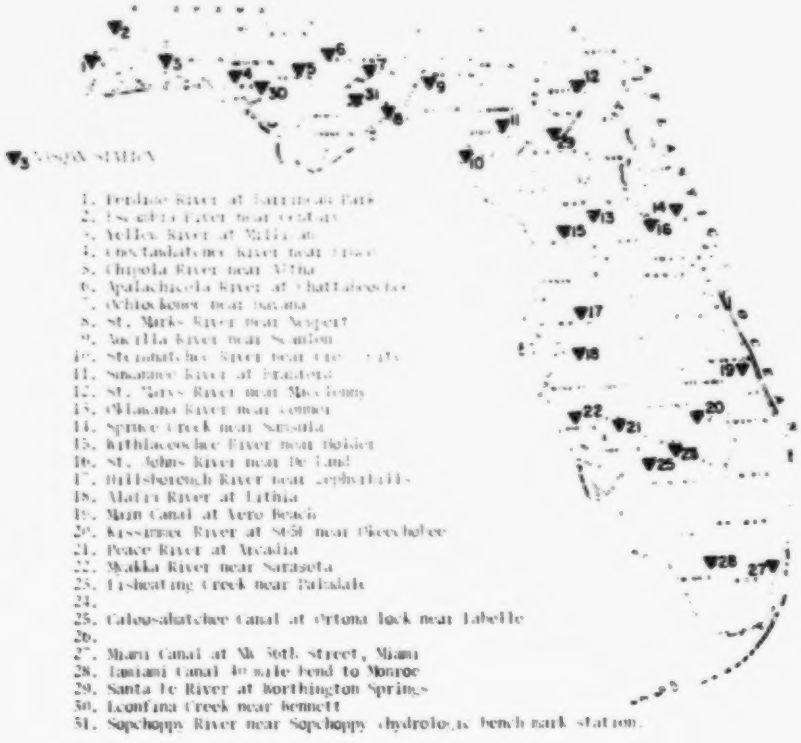
SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council.

The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Sation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research. The NASQAN stations in Florida are shown in figure 6.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.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▼3 NASQAN STATION
1. Perdido River at Barrineau Park
2. Escambia River near Century
3. Yellow River at Milligan
4. Choctawhatchee River near Bruce
5. Chipola River near Altha
6. Apalachicola River at Chattahoochee
7. Ochlockonee near Havana
8. St. Marks River near Newport
9. Aucilla River near Scanlon
10. Steinhatchee River near Cross City
11. Suwannee River at Branford
12. St. Marys River near Macclenny
13. Oklawaha River near Conner
14. Spruce Creek near Samsula
15. Withlacoochee River near Holder
16. St. Johns River near De Land
17. Hillsborough River near Zephyrhills
18. Alafia River at Lithia
19. Main Canal at Vero Beach
20. Kissimmee River at S65 near Okeechobee
21. Peace River at Arcadia
22. Myakka River near Sarasota
23. Fisheating Creek near Palmdale
24.
25. Caloosahatchee Canal at Ortona lock near Labelle
26.
27. Miami Canal at NW 36th street, Miami
28. Tamiami Canal 40 mile bend to Monroe
29. Santa Fe River at Worthington Springs
30. Econfina Creek near Bennett
31. Sopchoppy River near Sopchoppy (hydrologic bench mark station).

Figure 2. NASQAN stations in the State of Florida.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1989 water year that began October 1, 1988, and ended September 30, 1989. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous observations are made.

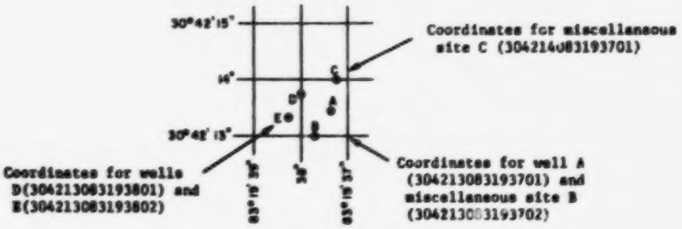
Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 02228500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6- to 12-digit downstream-order number "228500." The part number designates the major river basin; for example, part "02" is the South Atlantic Slope and eastern Gulf of Mexico basins.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure below.)


30°42'15"
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083°19'39"
38"
083°19'37"
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D
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E
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Coordinates for miscellaneous site C (304214083193701)
Coordinates for wells D(304213083193801) and E(304213083193802)
Coordinates for well A (304213083193701) and miscellaneous site B (304213083193702)

Figure 3. System for numbering wells and miscellaneous sites. (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevation, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a stage-recording device or daily or weekly observations, but need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Location of all complete-record and partial-record stations for which data are given in this report are shown in figures preceding each sub-basin.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily mean discharges.

Records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location, period of record, average discharge, historical extremes, record accuracy, and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate base maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given.

DRAINAGE AREA.--Drainage areas are delineated and measured using the most accurate topographic maps available, and are updated as necessary.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see DEFINITION OF TERMS), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage- discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge- measurement notes, gage-height records, temperature measurements, and rating tables is on file in the Miami Subdistrict Office of the Florida District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the offices whose addresses are given on the back of the title page of this report.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where water-quality data are collected systematically over a period of years, usually less frequently than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records," as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station or a periodic observation station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the quality of the water in its natural state. To assure this, certain measurements, such as water temperature, pH, alkalinity, specific conductance, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the natural water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For stations equipped with water-quality monitors, the records consist of daily mean values for each constituent measured and are based upon unit values (hourly or 15-minute recordings).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a recording or sampling device, which may be time- or event-activated, is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

Printed output	Remark
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant

Records of Ground-Water Levels

Ground-water level data from a statewide network of observation wells are published herein. The records include data from wells equipped with water-level recorders and data from wells where water levels are measured periodically.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table.

Water-level records are obtained from direct measurements with a steel tape, pressure gage, manometer, or from the graph or punched tape of a water-level recorder. The measurements in this report are given in feet above National Geodetic Vertical Datum of 1929 or in some tables as feet below land-surface datum. Land-surface datum is a datum plane that is approximately at land surface at each well. The elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on hourly, daily, weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with reference to National Geodetic Vertical Datum of 1929, and the dates of their occurrence.

A table of water levels follows the station description for each well. For wells equipped with recorders, only abbreviated tables are published; generally, daily maximums are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes slowly; therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality in the report area. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published immediately following the ground-water-level records of each county. Data for quality of ground water are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The Remark Codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the offices whose addresses are given on the back of the title page.

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonsporo-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C plus or minus 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C plus or minus 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square mile (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day (cubic feet per second per day) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

CFSM (cubic foot per second per square mile) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloro-platinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (ft^3/s or cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45 um membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate ($CaCO3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per gram ($\mu g/g$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per liter (UG/L, $\mu g/L$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can he expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentaiton methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Partical-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation
Silt...	.004 - .062	Sedimentation
Sand..........	.062 - 2.0	Sedimentation or sieve
Gravel........	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Picocurie (PC, pCi) is one millionth of the amount of radioactivity represented by a micro-curie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegrations per minute.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is the part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45 μm filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 μm membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 μm membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom....................	Animal
Phylum.....................	Arthropoda
Class......................	Insecta
Order......................	Ephemeroptera
Family.....................	Ephemeridae
Genus......................	*Hexagenia*
Species....................	*Hexagenia limbata*

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1989, is called the "1989 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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WELL DESCRIPTIONS AND GROUND-WATER DATA

KEY TO SITE LOCATIONS ON FIGURE 4
BROWARD COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	255807080224301	G 1636	24
2	255916080085401	G 1472	24
2	255918080091801	G 1473	25
3	260010080085001	F 291	25
4	260025080230401	G 1222	26
5	260032080135701	G 1225	26
6	260040080104401	G 2035	27
6	260053080105701	G 1226	27
7	260653080184901	G 2034	28
8	260219080141101	G 1223	28
9	260252080085301	G 1224	29
10	260253080184801	G 1322	29
10A	260458080134801	G 1221	30
11	260515080202101	G 617	30
12	260545080082001	G 561	31
13	260657080122301	S 329	31
14A	260753080253701	G 2376	32
14	260752080084701	G 1220	32
15	260821080185101	G 2032	33
16	261141080163401	G 2033	33
17	261144080094601	G 820A	34
18	261147080114501	G 2395	34
18	261152080115201	G 1262	35
28	261238080105501	G 2444	35
29	261337080103401	G 2443	36
19	261434080071901	G 853	36
19A	261441080111301	G 1316	37
19	261501080060701	G 2147	37
21	261534080165801	G 2031	38
22	261645080064701	G 1215	38
23	261708080090801	G 1315	39
24	261710080135001	G 616	39
25	261734080111301	G 1213	40
26	261837080163001	G 2030	40
27	261903080065601	G 1260	41

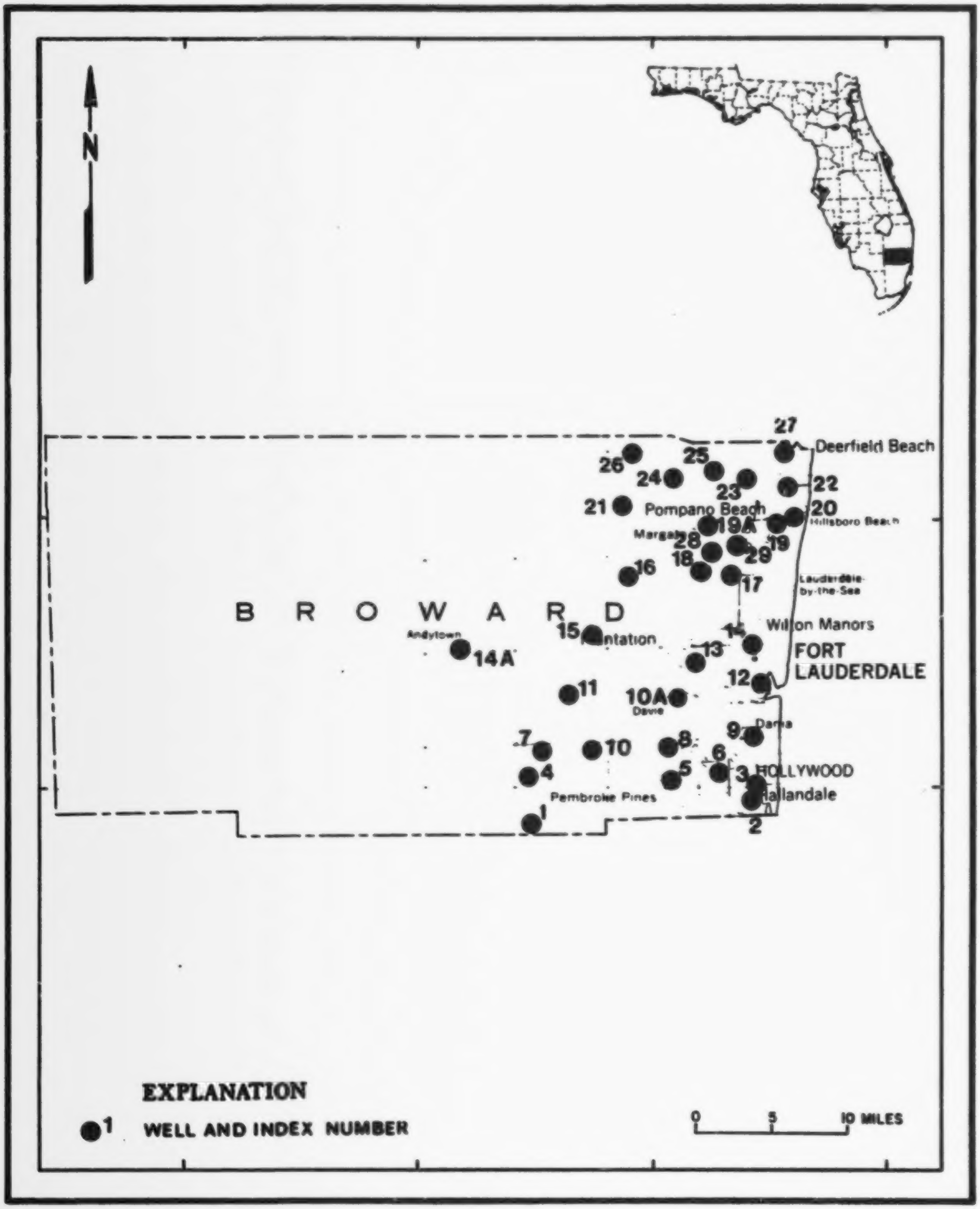
N
BROWARD
27
Deerfield Beach
26
25
24
23
22
21
Pompano Beach
20
Hillsboro Beach
Margate
19A
28
29
19
18
16
17
Lauderdale-by-the-Sea
Wilton Manors
15
Plantation
14
Andytown
14A
13
FORT LAUDERDALE
12
11
10A
Davie
9
Dania
7
10
8
6
4
5
3
HOLLYWOOD
Pembroke Pines
Hallandale
1
2
EXPLANATION
1 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 4. Location of wells in Broward County.

BROWARD COUNTY

WELL NUMBER.--255807080224301. Local Number G 1636. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°58'07", long 80°22'43", in SE¼NE¼ sec.31, T.51 S., R.40 E., Hydrologic Unit 03090202, at radio towers west of Southwest 172nd Avenue, 3 mi south of State Highway 820, 4 mi west of Flamingo Road, and 5.8 mi northwest of Carol City.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 24 ft, cased to 24 ft.

REVISED RECORDS.--WDR FL-85-2B: 1979

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.02 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.01 ft NGVD, Apr. 28, 1979; lowest, 1.79 ft NGVD, May 23, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.29	2.86	2.52	2.47	2.45	4.01	3.08	2.07	2.07	3.66	2.58	2.95
10	2.78	2.61	2.50	2.48	2.33	3.77	2.96	1.91	3.04	3.13	3.13	2.75
15	2.55	2.73	2.49	2.46	2.22	3.60	3.00	3.12	2.61	2.72	3.08	2.60
20	2.57	2.58	2.45	2.39	2.07	3.52	3.25	2.73	2.35	2.97	3.48	3.21
25	2.54	2.57	2.59	2.66	2.26	3.40	3.05	2.51	2.70	2.96	3.01	3.45
EOM	2.51	2.56	2.55	2.54	3.60	3.15	2.44	2.28	4.03	2.94	3.10	2.88
MEAN	2.68	2.63	2.52	2.54	2.35	3.63	3.01	2.35	2.82	3.12	3.03	2.99
MAX	3.41	2.88	2.60	2.93	3.60	4.42	3.79	3.12	4.07	3.99	3.48	3.55
MIN	2.51	2.51	2.43	2.39	2.07	3.15	1.92	1.80	2.07	2.71	2.55	2.60

WTR YR 1989 MEAN 2.81 MAX 4.42 MAR 2 MIN 1.80 MAY 13 AND OTHERS

WELL NUMBER.--255916080085401. Local Number G 1472. USGS Observation Well at Hallandale, FL.

LOCATION.--Lat 25°59'16", long 80°08'54", in NW¼NW¼ sec.27, T.51 S., R.42 E., Hydrologic Unit 03090202, 40 ft east of FEC railroad tracks, 300 ft south of Northeast 2nd Street in Hallandale, and 0.5 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.76 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 10.00 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum. (Corrected).

REMARKS.--Water levels estimated Oct. 1-2, Oct. 29 - Nov. 14, May 11 - June 12, June 30 - July 23, 1989 water year.

PERIOD OF RECORD.--October 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.33 ft NGVD, May 30, 1984; lowest, 0.23 ft NGVD, revised, Apr. 14, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.21	2.04	1.09	.76	.70	.99	1.03	1.46	1.31	3.18	1.40	1.64
10	1.63	1.58	1.03	.79	.68	1.52	.80	1.13	1.85	2.45	1.90	1.51
15	1.56	1.52	.99	.75	.66	1.35	.98	1.45	1.34	1.98	1.76	1.36
20	1.45	1.42	.95	.69	.60	1.19	1.14	1.82	1.05	1.69	2.54	2.08
25	1.30	1.27	.98	.81	.98	1.01	1.01	1.69	1.45	1.78	2.43	1.75
EOM	1.39	1.15	.90	.82	.95	1.06	1.69	1.48	3.38	1.55	1.85	1.47
MEAN	1.42	1.47	1.01	.78	.75	1.17	1.00	1.53	1.62	2.21	1.92	1.64
MAX	1.69	2.04	1.15	.86	1.00	1.53	1.69	1.87	3.38	3.69	2.64	2.08
MIN	1.10	1.15	.90	.69	.60	.86	.66	1.10	1.00	1.55	1.37	1.36

WTR YR 1989 MEAN 1.38 MAX 3.69 JUL 1 MIN .60 FEB 20

BROWARD COUNTY

WELL NUMBER.--255918080091801. Local Number G 1473. USGS Observation Well at Hallandale, FL.

LOCATION.--Lat 25°59'18", long 80°09'18", in NW¼NE¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 40 ft southwest of water tank in the Hallandale Water Plant at Northwest 6th Avenue and 2nd Street in Hallandale.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 132 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1890, land- surface datum was considered to be 11.22 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.37 ft NGVD, May 29, 1984; lowest, 0.21 ft NGVD, revised, April 19, 21, and 22, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.23	1.90	.96	.77	.73	1.00	.89	1.17	.96	2.99	1.36	1.55
10	1.42	1.58	.91	.77	.67	1.31	.72	.95	1.30	2.43	1.53	1.42
15	1.30	1.37	.89	.73	.64	1.22	.77	1.27	1.05	1.97	1.61	1.30
20	1.18	1.24	.84	.68	.57	1.11	.95	1.68	.86	1.64	2.44	1.92
25	1.12	1.11	.91	.85	.81	.95	.91	1.49	1.10	1.71	2.20	1.63
EOM	1.22	1.02	.81	.82	.86	.90	1.29	1.18	3.45	1.56	1.69	1.38
MEAN	1.24	1.38	.90	.77	.71	1.08	.86	1.31	1.35	2.16	1.77	1.55
MAX	1.45	1.90	1.01	.87	.86	1.33	1.29	1.75	3.45	3.45	2.48	1.92
MIN	.99	1.02	.81	.67	.57	.77	.59	.91	.84	1.52	1.27	1.29

WTR YR 1989 MEAN 1.26 MAX 3.45 JUN 30 AND OTHERS MIN .57 FEB 20

WELL NUMBER.--260010080085001 (corrected). Local Number F 291. USGS Observation Well at Hollywood, Fl.

LOCATION.--Lat 26°00'10", long 80°08'50", in NW¼NW¼ sec.22, T.51 S., R.42 E., Hydrologic Unit 03090202, at South 20th Avenue and Dewey Street in Hollywood, and 1.1 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTIS.--Drilled, water-table well, diameter 6 in., depth 107 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.26 ft NGVD, October 5, 1948; lowest, 0.16 ft NGVD, July 2, 1952.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.29	1.95	1.10	.87	.84	1.21	1.01	1.35	1.10	3.24	1.51	1.69
10	1.57	1.70	1.04	.87	.78	1.48	.84	1.12	1.43	2.59	1.63	1.54
15	1.50	1.50	1.02	.83	.77	1.42	.90	1.80	1.16	2.11	1.73	1.45
20	1.36	1.37	.99	.81	.75	1.26	1.18	1.87	.98	1.77	2.65	1.85
25	1.30	1.22	1.05	1.01	.97	1.09	1.11	1.65	1.22	1.84	2.40	1.72
EOM	1.42	1.15	.94	.95	1.04	1.03	1.48	1.32	3.74	1.76	1.80	1.50
MEAN	1.40	1.50	1.04	.89	.84	1.25	1.03	1.53	1.50	2.33	1.91	1.64
MAX	1.58	1.96	1.15	1.02	1.04	1.48	1.48	2.07	3.74	3.77	2.69	1.85
MIN	1.16	1.15	.94	.78	.73	.90	.73	1.12	.96	1.68	1.45	1.45

WTR YR 1989 MEAN 1.41 MAX 3.77 JUL 1 MIN .73 FEB 16 AND OTHERS

BROWARD COUNTY

WELL NUMBER.--260025080230401. Local Number G 1222. USGS Observation Well near Pembroke Pines, FL.

LOCATION.--Lat 26°00'25", long 80°23'04", in NW¼SE¼ sec.18, T.51 S., R.41 E., Hydrologic Unit 03090202, 25 ft south of Hollywood Boulevard, 3.0 mi east of U.S. Highway 27, 5.4 mi southeast of Pump Station 9, and 8.0 mi west of Pembroke Pines.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 11.5 ft.

REVISED RECORDS.--WDR FL-85-2B: 1980.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf 2.21 ft above land-surface datum.

REMARKS.--Missing record from Jan. 27 1989 to July 25, 1989. Period of missing record is too large for estimation.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.59 ft NGVD, July 23, 1985 and May 29, 1984; lowest, 1.14 ft NGVD, Apr. 29, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.04	3.15	2.98	3.06						---	3.13	4.12
10	3.43	3.04	3.04	3.08						---	4.03	4.05
15	3.17	3.06	3.07	3.00						---	4.98	3.37
20	3.04	3.04	2.95	2.99						---	5.43	4.34
25	2.97	3.05	3.07	3.28						---	3.81	4.06
EOM	2.93	2.98	3.10	---						3.40	4.55	3.74
MEAN	3.30	3.05	3.03	3.12						3.70	3.92	4.10
MAX	5.53	3.16	3.11	3.77						4.39	5.45	5.30
MIN	2.93	2.93	2.95	2.98						3.40	3.06	3.34

WTR YR 1989 MEAN 3.44 MAX 5.53 OCT 4 MIN 2.93 OCT 30 AND OTHERS

WELL NUMBER.--260032080135701. Local Number G 1225. USGS Observation Well at Hollywood, FL.

LOCATION.--Lat 26°00'32", long 80°13'57", in NE¼SE¼ sec.15, T.41 S., R.41 E., Hydrologic Unit 03090202, at corner of Hollywood Blvd. and Southwest 72nd Avenue in Hollywood.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 11 ft.

REVISED RECORDS.--WDR FL-81-2B: 1980.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.67 ft above land-surface datum. (Corrected).

REMARKS.--Water levels estimated Jan. 31 - Mar. 1, 1989 water year.

PERIOD OF RECORD.--January 1962 to December 1981. April 1982 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.20 ft NGVD, Oct. 31, 1969; lowest, 0.70 ft NGVD, April 30 and May 1, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.95	1.92	1.43	1.26	1.24	1.84	1.37	1.38	1.60	3.76	2.63	2.91
10	1.98	1.90	1.40	1.25	1.25	1.95	1.20	1.24	2.03	3.31	2.52	2.51
15	1.86	1.78	1.37	1.23	1.14	1.81	1.17	1.95	1.76	2.94	2.50	2.28
20	1.66	1.75	1.29	1.22	1.22	1.65	1.54	2.44	1.46	3.38	3.44	2.81
25	1.54	1.65	1.31	1.51	1.38	1.55	1.36	2.17	2.16	3.08	3.32	2.43
EOM	1.51	1.49	1.25	1.41	1.42	1.40	1.35	1.89	3.53	2.87	3.20	2.19
MEAN	1.73	1.74	1.36	1.31	1.25	1.71	1.34	1.83	2.04	3.27	2.82	2.60
MAX	2.00	1.93	1.54	1.52	1.43	1.95	1.56	2.51	3.53	3.77	3.48	3.21
MIN	1.51	1.49	1.25	1.18	1.09	1.40	1.17	1.24	1.45	2.87	2.32	2.19

WTR YR 1989 MEAN 1.92 MAX 3.77 JUL 4 MIN 1.09 FEB 17

BROWARD COUNTY

WELL NUMBER.--260040080104401. Local Number G 2035. USGS Observation Well at Hollywood, Fl.

LOCATION.--Lat 26°00'40", long 80°10'44", in SE¼NW¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at Hollywood Water Plant at northeast corner of 35th Avenue and Hollywood Blvd., and 0.7 mi west of Interstate 95.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 4 in., depth 52 ft, cased to 50 ft.

REVISED RECORDS.--WDR FL-85-2B: 1976.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 13.16 ft above National Geodetic Vertical Datum of 1929 (corrected). Measuring point: Top of recorder shelf, 3.10 ft above land-surface datum.

REMARKS.--Water levels estimated Mar. 3-8, June 1-21, 26-30, and July 1-11, 1989 water year.

PERIOD OF RECORD.--February 1972 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.52 ft NGVD, May 29, 1984; lowest, 0.22 ft NGVD, Apr. 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.28	1.85	.96	.78	.74	1.37	.87	1.10	.80	2.71	1.39	1.48
10	1.45	1.47	.93	.78	.72	.94	.67	.88	1.04	2.08	1.47	1.47
15	1.37	1.33	.90	.70	.64	1.00	.66	1.89	.97	1.75	1.54	1.38
20	1.21	1.20	.91	.77	.69	.78	.98	1.66	.99	1.69	2.59	1.71
25	1.24	1.07	.91	1.04	.89	.91	.95	1.39	.46	1.77	2.05	1.50
EOM	1.31	1.04	.75	.83	1.09	.78	1.20	1.08	2.82	1.62	1.60	1.39
MEAN	1.30	1.34	.91	.82	.76	1.00	.84	1.31	1.05	2.00	1.72	1.50
MAX	1.45	1.90	.99	1.04	1.09	1.51	1.20	1.99	2.82	2.95	2.60	1.77
MIN	1.05	1.04	.75	.65	.60	.48	.55	.88	.39	1.53	1.30	1.36

WTR YR 1989 MEAN 1.22 MAX 2.95 JUL 1 MIN .39 JUN 23

WELL NUMBER.--260053080105701. Local Number G 1226. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'53", long 80°10'57", in NW¼NW¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at center of boulevard 1,500 ft southwest of Johnson Street in Hollywood, 0.3 mi north of Hollywood Blvd., and 1.7 mi east of State Road 441.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels estimated Feb. 8 - Mar. 1, 1989 water year.

PERIOD OF RECORD.--January 1962 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.97 ft NGVD, June 26, 1989; lowest, 0.30 ft NGVD, Apr. 14, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.29	1.93	.98	.77	.75	1.18	.87	1.09	.90	3.15	1.43	1.58
10	1.44	1.53	.92	.76	.75	1.32	.70	.92	1.16	2.47	1.56	1.62
15	1.38	1.39	.91	.72	.71	1.29	.64	2.46	.97	2.08	1.54	1.47
20	1.23	1.22	.87	.74	.73	1.14	.99	1.69	.78	2.03	2.83	1.79
25	1.20	1.07	.93	1.01	.88	.93	.98	1.43	1.12	1.86	2.14	1.54
EOM	1.31	1.03	.79	.90	1.19	.77	1.31	1.13	3.73	1.72	1.63	1.42
MEAN	1.29	1.38	.92	.82	.81	1.13	.87	1.39	1.66	2.36	1.80	1.55
MAX	1.44	2.10	1.02	1.03	1.19	1.35	1.31	2.46	8.97	3.72	2.83	1.81
MIN	1.06	1.03	.79	.69	.68	.77	.60	.92	.77	1.62	1.34	1.40

WTR YR 1989 MEAN 1.34 MAX 8.97 JUN 26 MIN .60 APR 14

BROWARD COUNTY

WELL NUMBER.--260653080184901. Local Number G 2034. USGS Observation Well near Davie, Fl.

LOCATION.--Lat 26°02'02", long 80°23'07", in NE¼SE¼ sec.6, T.51 S., R.40 E., Hydrologic Unit 03090202, at Southwest 178th Avenue (Rolling Oaks Road) and Southwest 68th Court, 1.9 mi south of Griffin Road and east of Mathus Drive, 4.3 mi Southeast of Pump Station 9, and 7.8 mi west of Davie.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated July 29, Sept. 12-30, 1989 water year.

PERIOD OF RECORD.--January 1972 to current year. Records of water levels prior to October, 1973 are available in files ot the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.19 ft NGVD, July 23, 1985; lowest, 1.49 ft NGVD, May 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.72	3.18	3.32	3.38	3.22	4.10	2.97	3.01	2.84	4.69	3.44	4.25
10	3.52	3.22	3.24	3.43	3.22	3.85	2.82	2.79	3.83	4.07	3.49	3.97
15	3.21	3.20	3.38	3.32	3.16	3.63	2.96	4.80	3.47	3.84	3.70	3.71
20	3.13	3.23	3.18	3.36	3.07	3.52	3.17	3.82	3.10	4.07	5.42	3.85
25	3.13	3.15	3.31	3.56	3.05	3.34	2.94	3.60	3.52	3.74	4.02	3.88
EOM	3.09	3.17	3.33	3.50	5.13	3.13	3.10	3.20	5.48	3.65	4.27	3.80
MEAN	3.27	3.21	3.31	3.43	3.24	3.72	2.97	3.37	3.64	4.08	3.89	3.93
MAX	3.72	3.32	3.45	3.65	5.13	4.95	3.20	4.80	5.48	5.09	5.42	4.48
MIN	3.05	3.09	3.15	3.29	3.05	3.13	2.78	2.78	2.84	3.64	3.33	3.53

WTR YR 1989 MEAN 3.51 MAX 5.48 JUN 30 MIN 2.78 APR 12 AND OTHERS

WELL NUMBER.--260219080141101. Local Number G 1223. USGS Observation Well at West Hollywood, FL.

LOCATION.--Lat 26°02'19", long 80°14'11", in SE¼NE¼ sec.3, T.41 S., R.41 E., Hydrologic Unit 03090202, north of Northwest 33rd Street on Davie Road Extension, and 2.0 mi south of Griffin Road, in West Hollywood.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.31 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980 land-surface datum was considered to be 5.78 ft NGVD. See PERIOD OF RECORD. (Corrected). Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water-level as elevation, in feet NGVD, prior to Oct. 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.39 ft NGVD, revised, Oct. 30, 1969, and Apr. 25, 1979; lowest, 1.18 ft NGVD, revised, Nov. 11, 1968.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.30	2.04	1.87	1.85	1.87	2.62	1.88	1.92	1.85	3.11	2.29	2.40
10	2.35	2.03	1.84	1.84	1.80	2.33	1.76	1.80	2.30	2.73	2.38	2.29
15	2.13	2.01	1.85	1.79	1.77	2.16	1.83	2.47	2.01	2.91	2.29	2.14
20	1.99	2.00	1.79	1.79	1.71	2.05	2.18	2.36	1.84	2.97	3.45	2.56
25	1.89	1.87	1.87	2.06	1.89	1.96	2.04	2.15	2.31	2.74	2.87	2.26
EOM	1.84	1.87	1.85	1.95	2.17	1.88	1.93	1.98	3.23	2.58	2.71	2.16
MEAN	2.07	1.97	1.85	1.90	1.84	2.20	1.93	2.11	2.22	2.92	2.56	2.35
MAX	2.35	2.08	1.88	2.19	2.17	2.79	2.28	2.65	3.23	3.33	3.45	2.71
MIN	1.84	1.83	1.79	1.78	1.70	1.88	1.68	1.80	1.81	2.52	2.19	2.12

WTR YR 1989 MEAN 2.16 MAX 3.45 AUG 20 MIN 1.68 APR 14

BROWARD COUNTY

WELL NUMBER.--260252080085301. Local Number G 1224. USGS Observation Well at Dania, FL.

LOCATION.--Lat 26°02'52", long 80°08'53", in NW¼NW¼ sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, on Southwest 2nd Terrace, east of Phippen Road and 100 ft west of F.E.C. Railroad near Dania, and 400 ft south of Sterling Road.

AQUIFER.--Biscayne limstone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.11 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 8.33 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 7-27, Sept. 9-30, 1989 water year.

PERIOD OF RECORD.--January 1962 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.67 ft NGVD, revised, Nov. 2, 1965; lowest, 0.12 ft below NGVD, revised, Aug. 19, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.37	1.74	1.07	.86	.86	1.35	.95	1.38	1.07	2.83	1.48	1.65
10	1.67	1.61	1.03	.85	.85	1.45	.88	1.18	1.27	2.24	1.50	1.55
15	1.60	1.37	1.02	.83	.88	1.51	.81	1.86	1.00	1.85	1.62	1.48
20	1.41	1.30	1.02	.78	.82	1.38	1.33	1.84	.90	1.52	2.36	1.80
25	1.33	1.13	1.02	1.05	1.04	1.10	1.32	1.39	1.06	1.80	2.26	1.68
EOM	1.51	1.11	.92	1.03	1.04	.93	1.23	1.21	3.28	1.74	1.67	1.50
MEAN	1.47	1.40	1.03	.90	.91	1.30	1.08	1.52	1.34	2.09	1.80	1.62
MAX	1.67	1.77	1.11	1.09	1.04	1.53	1.37	2.26	3.34	3.41	2.56	1.81
MIN	1.22	1.11	.92	.78	.80	.93	.79	1.18	.89	1.49	1.44	1.48

WTR YR 1989 MEAN 1.38 MAX 3.41 JUL 1 MIN .78 JAN 20

WELL NUMBER.--260253080184801. Local Number G 1322. USGS Observation Well near Cooper City, Fl.

LOCATION.--Lat 26°02'53", long 80°18'48", in NW¼SW¼ sec.36, T.50 S., R.40 E., Hydrologic Unit 03090202, in the median of Flamingo Road, 0.5 mi north of Sterling Road west of Cooper City, and 1.0 mi south of Griffin Road. (Revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.09 ft above land-surface datum.

PERIOD OF RECORD.--September 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.15 ft NGVD, Oct. 31, 1969; lowest, 1.83 ft NGVD, May 1, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.56	3.15	3.33	3.37	3.02	3.61	2.88	3.03	2.74	3.55	3.20	3.89
10	3.30	3.26	3.16	3.51	3.14	3.46	2.76	2.87	3.61	3.52	3.36	3.40
15	2.98	3.12	3.36	3.32	3.06	3.41	2.98	3.41	3.26	3.89	3.98	3.20
20	2.98	3.21	3.09	3.38	3.02	3.31	3.47	3.49	2.86	3.79	4.47	3.43
25	3.09	3.04	3.28	3.50	3.14	3.19	3.04	3.33	2.89	3.54	3.59	3.48
EOM	3.01	3.08	3.21	3.40	4.21	3.02	3.11	2.96	4.76	3.35	3.59	3.13
MEAN	3.07	3.17	3.26	3.39	3.13	3.42	3.03	3.17	3.25	3.64	3.56	3.55
MAX	3.56	3.38	3.47	3.57	4.21	4.28	3.52	3.53	4.76	4.74	4.47	4.55
MIN	2.80	2.97	2.97	3.24	3.00	3.02	2.75	2.87	2.74	3.19	3.20	3.12

WTR YR 1989 MEAN 3.31 MAX 4.76 JUN 30 MIN 2.74 JUN 5

BROWARD COUNTY

WELL NUMBER.--260458080134801. Local Number G 1221. USGS Observation Well at Davie, Fl.

LOCATION.--Lat 26°04'58", long 80°13'48", in NW¼SW¼ sec.23, T.50 S., R.41 E., Hydrologic Unit 03090202, at Southwest corner of Nova Drive and Davie Road Extension, 0.75 mi south of State Highway 84, and 1.6 mi west of the Sunsine State Parkway in Davie.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.48 ft above land-surface datum (corrected).

PERIOD OF RECORD.--December 1962 to February 1979, October 1982 to November 1983, March 1984 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.08 ft NGVD, Oct. 19, 1986; lowest, 0.67 ft NGVD, April 30, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.91	1.69	1.51	1.42	1.54	2.75	1.60	1.78	1.49	2.43	2.01	2.21
10	1.94	1.62	1.47	1.44	1.50	2.40	1.53	1.66	1.76	2.32	1.90	1.95
15	1.89	1.56	1.45	1.44	1.43	2.17	1.68	1.84	1.65	2.16	2.00	2.15
20	1.81	1.62	1.42	1.42	1.39	2.00	1.98	1.80	1.50	2.18	2.54	1.93
25	1.72	1.58	1.45	1.64	1.51	1.85	1.90	1.68	1.94	2.21	2.47	1.89
EOM	1.65	1.53	1.44	1.60	3.12	1.68	1.87	1.60	2.42	2.13	2.38	1.85
MEAN	1.81	1.61	1.46	1.50	1.55	2.22	1.71	1.73	1.76	2.26	2.20	2.02
MAX	1.94	1.69	1.52	1.64	3.12	3.12	1.98	1.87	2.42	2.45	2.76	2.40
MIN	1.62	1.53	1.41	1.40	1.38	1.68	1.46	1.57	1.48	2.13	1.90	1.85

WTR YR 1989 MEAN 1.82 MAX 3.12 FEB 28 AND OTHERS MIN 1.38 FEB 21

WELL NUMBER.--260515080202101. Local Number G 617. USGS Observation Well near Ft. Lauderdale, Fl.

LOCATION.--Lat 26°05'15", long 80°20'21", in SE¼NW¼ sec.15, T.50 S., R.40 E., Hydrologic Unit 03090202, on Southwest 26th Street, west of Southwest 142nd Avenue, 1.8 mi north of South New River Canal, 6.5 mi west of Davie and 14.2 mi west of Ft. Lauderdale.

AQUIFER.--Sandstone Biscayne aquifer of Pleistocene Age, Geologic Unit 112 BSCNS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 29 ft, cased to 28 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.89 ft NGVD, June 20, 1959 (corrected); lowest, 2.46 ft NGVD, June 7, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.98	3.62	3.65	3.67	3.41	4.13	3.22	3.45	3.01	4.39	3.93	4.18
10	3.79	3.55	3.53	3.81	3.46	3.81	3.08	3.25	3.70	3.88	3.91	3.87
15	3.42	3.46	3.69	3.66	3.40	3.65	3.93	3.47	3.40	4.02	3.82	3.62
20	3.38	3.56	3.48	3.68	3.33	3.59	3.89	3.52	3.06	4.24	4.71	4.27
25	3.40	3.43	3.62	3.77	3.37	3.47	3.50	3.35	3.01	3.91	4.04	4.07
EOM	3.45	3.48	3.62	3.70	5.05	3.30	3.47	3.16	5.70	3.82	3.92	3.74
MEAN	3.54	3.53	3.61	3.71	3.47	3.76	3.45	3.38	3.48	4.12	3.99	4.04
MAX	4.07	3.69	3.78	3.85	5.05	5.00	3.98	3.57	5.70	5.49	4.75	4.80
MIN	3.28	3.37	3.43	3.62	3.32	3.30	3.07	3.16	3.00	3.68	3.55	3.58

WTR YR 1989 MEAN 3.67 MAX 5.70 JUN 30 MIN 3.00 JUN 24

BROWARD COUNTY

WELL NUMBER.--260545080082001. Local Number G 561. USGS Observation Well at Fort Lauderdale, Fl.

LOCATION.--Lat 26°05'45", long 80°08'20", in SE¼SE¼ sec.15, T.50 S., R.42 E., Hydrologic Unit 03090202, at Southeast 4th Avenue and 20th Street in Fort Lauderdale, 0.2 mi west of U.S. Highway 1, and 0.3 mi north of State Highway 84.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.06 ft above land-surface datum (corrected).

PERIOD OF RECORD.--January 1948 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 5, 1948; lowest, 0.05 ft NGVD, July 2, 1952.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.03	2.07	1.28	1.05	1.09	2.15	1.24	1.75	1.20	2.81	1.57	1.78
10	1.94	1.80	1.23	1.05	1.10	1.92	1.10	1.52	1.39	2.29	1.72	1.74
15	1.88	1.57	1.26	1.02	1.09	1.81	1.55	1.95	1.11	1.93	1.74	1.70
20	1.78	1.52	1.23	.97	1.11	1.59	2.46	1.78	1.07	1.64	2.58	2.03
25	1.79	1.34	1.20	1.39	1.36	1.38	2.04	1.61	1.39	1.85	2.25	1.86
EOM	1.93	1.33	1.11	1.25	2.85	1.19	1.99	1.33	3.21	1.69	1.82	1.74
MEAN	1.86	1.64	1.23	1.14	1.23	1.77	1.65	1.70	1.48	2.14	1.89	1.79
MAX	2.04	2.07	1.34	1.39	2.85	2.89	2.58	2.00	3.21	3.29	2.59	2.03
MIN	1.53	1.33	1.11	.96	1.02	1.19	1.01	1.33	1.03	1.59	1.56	1.69

WTR YR 1989 MEAN 1.63 MAX 3.29 JUL 1 MIN .96 JAN 19

WELL NUMBER.--260657080122301. Local Number S 329. USGS Observation Well at Ft. Lauderdale, FL.

LOCATION.--Lat 26°06'57", long 80°12'23", in SW¼NE¼ sec.12, T.50 S., R.41 E., Hydrologic Unit 03090202, 200 feet south of Northwest 4th Street on west side of Country Club Circle, and 0.3 mi west of U.S. Highway 441 on east edge of City of Ft. Lauderdale well field in Ft. Lauderdale.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 4 in., depth 68 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.16 ft above land-surface datum.

REMARKS.--Determine effect of municipal pumping on ground-water levels.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.76 ft NGVD, Oct. 17, 1947; lowest, 1.26 ft below NGVD, May 2, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.30	.17	-0.26	-0.57	-0.45	2.07	.36	.59	-0.13	2.47	-0.24	1.60
10	.37	.11	-0.29	-0.49	-0.51	1.80	.17	.21	.28	2.26	.00	1.37
15	.14	.29	-0.27	-0.45	-0.67	1.37	.15	.43	-0.07	1.56	1.51	1.42
20	-0.01	-0.08	-0.41	-0.34	-0.79	.97	.68	.36	-0.13	1.87	2.58	1.51
25	-0.16	-0.18	.30	-0.06	-0.33	.76	.68	.38	.69	1.42	2.26	1.36
EOM	-0.03	-0.17	-0.45	-0.23	1.85	.47	1.07	.18	2.28	.85	1.67	1.00
MEAN	.19	-0.02	-0.19	-0.34	-0.44	1.34	.47	.39	.33	1.80	1.10	1.44
MAX	.67	.31	.32	.27	1.85	2.22	1.07	1.11	2.28	2.71	2.62	1.95
MIN	-0.22	-0.27	-0.45	-0.63	-0.79	.47	-0.06	.10	-0.24	.84	-0.37	1.00

WTR YR 1989 MEAN .51 MAX 2.71 JUL 1 MIN -0.79 FEB 20

BROWARD COUNTY

WELL NUMBER.--260753080253701. Local Number G 2376. USGS Observation Well near Plantation, FL.

LOCATION.--Lat 26°07'05", long 80°11'13", in SW¼SW¼ sec.35, T.49 S., R.39 E., Hydrologic Unit 03090202, on east side of section line road, 0.7 mi south of State Road 84 (I-75), 1 mi east of US 27 and 8 mi west of Flamingo Road.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.00 ft above land-surface datum.

REMARKS.--Water levels estiamted Dec. 28 - Jan. 25, 1989 water year.

PERIOD OF RECORD.--June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.23 ft NGVD, Sept. 20, 1985; lowest, 3.95 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.60	6.50	6.02	5.85	5.49	5.35	4.68	4.93	3.95	5.77	5.76	5.88
10	6.61	6.25	5.99	5.86	5.34	5.41	4.50	4.57	4.73	5.22	5.59	5.80
15	6.46	6.34	5.96	5.71	5.20	5.30	5.22	4.57	4.26	6.09	5.40	5.65
20	6.39	6.24	5.87	5.70	5.10	5.08	5.55	4.78	4.10	6.10	6.16	6.40
25	6.39	6.18	5.88	5.81	5.03	5.02	4.82	4.49	4.17	5.91	6.27	6.31
EOM	6.33	6.10	5.86	5.63	5.26	4.79	5.13	4.20	5.72	5.98	6.06	5.93
MEAN	6.48	6.27	5.95	5.80	5.26	5.20	4.84	4.66	4.51	5.75	5.84	6.01
MAX	6.65	6.52	6.09	6.09	5.61	5.55	5.55	5.34	5.72	6.10	6.51	6.52
MIN	6.30	6.10	5.86	5.63	4.96	4.79	4.48	4.20	3.95	5.07	5.31	5.59

WTR YR 1989 MEAN 5.55 MAX 6.65 OCT 7 AND OTHERS MIN 3.95 JUN 5

WELL NUMBER.--260752080084701. Local Number G 1220. USGS Observation Well at Ft. Lauderdale, FL.

LOCATION.--Lat 26°07'52", long 80°08'47", in SE¼SW¼ sec.3, T.50 S., R.42 E., Hydrologic Unit 03090202, near water tower at corner of Northwest 2nd Avenue and Northwest 7th Street in Ft. Lauderdale, and 0.8 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.76 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980 land surface datum was considered to be 6.76 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.37 ft NGVD, Mar. 27, 1986; lowest, 0.40 ft NGVD, revised, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.82	1.81	1.18	.95	.79	2.53	1.23	1.49	.93	2.76	1.40	1.74
10	1.79	1.71	1.17	.84	.73	2.12	1.09	1.26	1.31	2.38	1.81	1.68
15	1.71	1.48	1.09	.83	.71	1.89	1.26	1.23	1.00	2.00	1.85	1.62
20	1.60	1.36	1.07	.78	.65	1.65	1.66	1.27	.91	1.69	2.68	2.14
25	1.60	1.28	1.05	1.07	1.03	1.63	1.73	1.16	1.14	1.92	2.46	2.07
EOM	1.80	1.21	1.02	.95	3.64	1.36	1.53	1.03	2.98	1.54	1.92	1.80
MEAN	1.71	1.51	1.11	.92	.91	1.96	1.40	1.28	1.24	2.15	1.97	1.83
MAX	1.82	1.82	1.21	1.09	3.64	3.44	1.85	1.61	2.98	3.03	2.68	2.19
MIN	1.47	1.21	1.02	.78	.65	1.36	.97	1.03	.90	1.54	1.39	1.61

WTR YR 1989 MEAN 1.50 MAX 3.64 FEB 28 MIN .65 FEB 19 AND OTHERS

BROWARD COUNTY

WELL NUMBER.--260821080185101. Local Number G 2032. USGS Observation Well near Plantation, Fl.

LOCATION.--Lat 26°08'21", long 80°18'51", in SW¼NW¼ sec.36, T.49 S., R.40 E., Hydrologic Unit 03090202, at northeast corner of Northwest 12th Street and Flamingo Road, 1.6 mi north of North New River Canal, and 4.6 mi west of Plantation.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1972 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.25 ft NGVD estimated, Apr. 25, 1979; lowest, 2.85 ft NGVD, May 7, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.21	4.22	3.89	3.87	3.61	4.01	3.38	3.57	3.50	4.73	3.97	4.06
10	4.25	3.92	3.87	3.87	3.48	3.87	3.32	3.44	3.75	4.30	4.12	3.98
15	4.10	3.95	3.85	3.71	3.34	3.79	3.57	3.57	3.55	4.03	3.96	3.68
20	4.02	4.01	3.78	3.66	3.35	3.63	3.92	3.58	3.33	4.37	5.09	3.85
25	3.99	3.93	3.90	3.89	3.31	3.70	3.55	3.69	3.49	4.00	4.36	3.97
EOM	3.93	3.91	3.88	3.73	4.38	3.44	3.61	3.63	5.17	4.32	4.02	3.83
MEAN	4.08	3.99	3.87	3.86	3.48	3.79	3.53	3.57	3.69	4.34	4.17	3.93
MAX	4.37	4.26	4.01	5.00	4.38	4.36	3.94	3.70	5.17	5.23	5.09	4.39
MIN	3.92	3.90	3.78	3.62	3.30	3.44	3.22	3.38	3.32	4.00	3.86	3.68

WTR YR 1989 MEAN 3.86 MAX 5.23 JUL 1 MIN 3.22 APR 12

WELL NUMBER.--261141080163401. Local Number G 2033. USGS Observation Well at Tamarac, Fl.

LOCATION.--Lat 26°11'41", long 80°16'34", in SW¼SE¼ sec.8, T.49 S., R.41 E., Hydrologic Unit 03090202, on east side of N.W. 94th Avenue, 0.1 mi north of Commercial Boulevard in Tamarac, 5.0 mi west of U.S. 441, and 11.0 mi west of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.47 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 land surface datum was considered to be 11.70 ft NGVD. See period of record. Measuring point: Top of casing, 2.59 ft above land-surface datum.

PERIOD OF RECORD.--January 1972 to October 1980, February 1981 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures for water levels as elevation in feet prior to Oct. 1, 1986 are in error. Revised records are in files of Geological Survey, see datum.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.36 ft NGVD, Sept. 18, 1985; lowest, 5.34 ft NGVD, June 21, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.75	5.73	5.58	6.01	5.93	5.64	5.80	5.68	5.59	6.61	6.22	6.39
10	5.76	5.70	5.61	5.85	5.78	5.64	5.75	5.58	5.72	6.38	6.06	6.14
15	5.68	5.72	5.64	5.78	5.63	5.61	5.61	5.48	5.57	6.19	6.00	6.01
20	5.63	6.12	5.67	5.93	5.51	5.74	5.69	5.55	5.35	6.37	7.12	5.73
25	5.57	5.72	5.85	6.26	5.42	5.81	5.82	5.72	5.63	6.55	6.45	5.85
EOM	5.57	5.63	6.04	6.08	5.64	5.78	5.70	5.75	6.74	6.23	6.25	6.01
MEAN	5.67	5.75	5.71	6.01	5.68	5.70	5.73	5.63	5.69	6.46	6.28	6.03
MAX	5.78	6.14	6.04	6.26	6.05	5.82	5.83	5.79	6.74	7.21	7.13	6.39
MIN	5.53	5.56	5.56	5.77	5.38	5.60	5.59	5.46	5.34	6.19	5.96	5.58

WTR YR 1989 MEAN 5.86 MAX 7.21 JUL 2 MIN 5.34 JUN 21

BROWARD COUNTY

WELL NUMBER.--261144080094601. Local Number G 820A. USGS Observation Well near Oakland Park, Fl.

LOCATION.--Lat 26°11'44", long 80°09'46", in SW¼SE¼ sec.9, T.49 S., R.42 E., Hydrologic Unit 03090202, at Ft. Lauderdale Executive Airport, and 0.7 mi west of Oakland Park.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 100 ft, cased to 99 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.58 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 17-20, 25, 26, 1989 water year.

PERIOD OF RECORD.--September 1967 to April 1978, June 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.69 ft NGVD, Sept. 19, 1985; lowest, 3.87 ft below NGVD, Apr. 17, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.25	3.62	3.19	2.35	2.16	3.74	3.81	3.53	3.34	5.21	4.20	4.85
10	4.10	3.64	3.00	2.29	2.08	3.65	3.61	3.32	3.69	5.01	4.26	4.55
15	3.97	3.60	2.86	2.25	2.04	3.42	3.43	3.64	3.42	4.67	4.67	4.75
20	3.82	3.52	2.66	2.26	1.96	3.22	3.88	3.75	3.17	4.68	5.45	4.71
25	3.65	3.29	2.60	2.35	2.26	4.50	3.95	3.86	3.21	4.90	5.35	5.32
EOM	3.60	3.20	2.46	2.25	3.47	4.08	3.71	3.58	4.39	4.41	4.88	5.10
MEAN	3.93	3.51	2.83	2.31	2.16	3.71	3.74	3.61	3.43	4.88	4.80	4.83
MAX	4.40	3.64	3.22	2.45	3.47	4.50	4.03	3.86	4.39	5.21	5.54	5.43
MIN	3.56	3.13	2.46	2.22	1.93	3.08	3.40	3.22	3.15	4.41	4.14	4.42

WTR YR 1989 MEAN 3.65 MAX 5.54 AUG 22 AND OTHERS MIN 1.93 FEB 18 AND OTHERS

WELL NUMBER.--261147080114501. Local Number G 2395. USGS Observation Well at Margate, FL.

LOCATION.--Lat 26°11'47", long 80°11'45", in SE¼SW¼ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road and 0.75 mi east of State Highway 441 in Margate.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2.5 in., depth 80 ft, cased to 78 ft.

INSTRUMENTATION.--Water-level recorder.

M.--Land-surface datum is 9.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by municipal pumping. Missing record from Oct. 1 - Jan. 26, April 14-28 and Sept. 17-28, 1989 water year. The record cannot be estimated due to its location within a well field.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.29 ft below NGVD, Oct. 3, 1985, lowest, 13.76 ft below NGVD, Mar. 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				---	-10.40	-13.76	-12.48	-9.52	-10.82	-8.99	-10.71	-7.43
10				---	-10.71	-13.62	-11.20	-10.63	-9.74	-9.22	-10.32	-10.75
15				---	-10.86	-12.72	---	-9.91	-11.13	-10.11	-10.08	-11.03
20				---	-11.18	-12.62	---	-9.32	-11.48	-10.46	-9.95	---
25				---	-12.26	-12.47	---	-9.20	-10.26	-9.91	-8.84	---
EOM				-9.26	-11.62	-12.67	-9.03	-9.60	-9.57	-8.98	-8.33	-11.03
MEAN				-9.06	-10.93	-13.04	-11.35	-9.70	-10.46	-9.56	-9.72	-10.01
MAX				-8.75	-9.28	-12.28	-9.03	-8.80	-9.57	-8.07	-8.33	-7.43
MIN				-9.26	-12.76	-13.76	-12.64	-10.78	-11.49	-10.67	-10.96	-11.04

WTR YR 1989 MEAN -10.54 MAX -7.43 SEP 5 MIN -13.76 MAR 5

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BROWARD COUNTY

WELL NUMBER.--261152080115201. Local Number G 1262. USGS Observation Well at Margate, Fl.

LOCATION.--Lat 26°11'52", long 80°11'52", in SE¼SW¼ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road, and 0.75 mi east of State Highway 441 in Margate.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 7 in., depth 19 ft (corrected).

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.40 ft above National Geodetic Vertical Datum of 1929 (revised). Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well dry from Apr. 21 - July 10 and Aug. 1 - Sept. 30.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.30 ft NGVD, Nov. 7, 1965; lowest, 11.19 ft below NGVD, Apr. 11, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-8.95	-9.10	-8.04	-7.84	-8.34	-9.72	-10.40			---		
10	-9.12	-9.27	-7.90	-7.98	-8.51	-9.78	-10.56			---		
15	-9.39	-9.23	-7.84	-8.01	-8.60	-9.85	-10.77			-10.53		
20	-9.66	-8.91	-7.90	-8.07	-8.95	-10.09	-10.76			-10.55		
25	-10.06	-8.55	-7.88	-8.12	-9.52	-10.09	---			-10.66		
EOM	-9.80	-8.24	-7.83	-8.22	-9.62	-10.28	---			-10.83		
MEAN	-9.48	-8.99	-7.92	-8.02	-8.78	-9.94	-10.58			-10.60		
MAX	-8.89	-8.24	-7.83	-7.83	-8.23	-9.62	-10.30			-10.46		
MIN	-10.21	-9.65	-8.16	-8.22	-9.72	-10.28	-10.81			-10.83		

WTR YR 1989 MEAN -9.17 MAX -7.83 DEC 16 AND OTHERS MIN -10.83 JUL 31

WELL NUMBER.--261238080105501. Local Number G 2444. USGS Observation Well near Pompano Beach, Fl.

LOCATION.--Lat 26°12'38", Long 80°10'55", in SE¼SE¼SW¼ sec.5, T.49 S., R.42 E., Hydrologic Unit 03090202, off Cypress Blvd, .15 mi north of McNab Road, in Pompano Beach. Owner: U.S. Geological Survey.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 150 ft, cased to 83 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 8.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land surface datum.

PERIOD OF RECORD.--December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.45 ft NGVD, Sept. 25, 1987; lowest, 0.49 ft NGVD, Feb. 13, 26, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.70	2.58	1.44	1.18	.82	1.48	1.81	1.78	1.56	2.71	1.79	2.14
10	2.73	2.30	1.32	1.15	.54	1.49	1.56	1.63	1.68	2.41	1.98	2.04
15	2.50	1.97	1.14	1.13	.59	1.40	1.18	2.13	1.38	2.16	2.14	1.81
20	2.31	1.82	1.03	1.10	.59	1.25	1.96	2.12	1.16	2.34	2.83	1.71
25	2.23	1.72	1.22	1.14	.53	2.03	1.97	2.19	1.11	2.49	2.78	1.69
EOM	2.56	1.55	1.27	.97	1.27	1.79	1.75	1.90	1.65	2.24	2.22	1.47
MEAN	2.52	2.05	1.26	1.13	.66	1.53	1.68	1.92	1.42	2.40	2.29	1.84
MAX	2.77	2.59	1.56	1.24	1.27	2.04	2.18	2.27	1.87	2.71	2.98	2.16
MIN	2.15	1.55	1.02	.97	.49	1.18	1.18	1.45	1.10	2.06	1.72	1.47

WTR YR 1989 MEAN 1.73 MAX 2.98 AUG 22 MIN .49 FEB 13 AND OTHERS

BROWARD COUNTY

WELL NUMBER.--261337080103401. Local Number G 2443. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°13'37", Long 80°10'34", in NW¼NE¼NE¼ sec.5, T.49 S., R.42 E., Hydrologic Unit 03090202, .3 mi west of Oak Drive, across pond from apartment parking lot on golf course in Pompano Beach. Owner: U.S. Geological Survey.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 145 ft, cased to 66 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 7.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base 3.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.35 ft NGVD, Oct. 12, 1987; lowest, 4.63 ft NGVD, June 17, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.02	5.98	5.59	5.58	5.17	5.43	5.98	5.34	5.37	6.08	5.25	5.27
10	5.90	5.49	4.81	5.35	5.39	5.68	5.36	5.21	5.50	5.93	5.62	5.66
15	5.65	5.59	5.37	5.57	5.12	5.35	5.38	6.17	4.99	6.07	5.77	5.56
20	5.53	5.29	5.51	5.62	5.07	5.59	6.25	5.81	5.12	6.24	6.23	5.66
25	5.68	5.57	5.79	5.60	5.29	5.38	5.62	5.98	5.21	5.91	6.22	5.69
EOM	5.85	5.49	5.39	5.49	5.42	5.55	5.56	5.60	5.76	5.79	5.58	5.77
MEAN	5.75	5.60	5.46	5.49	5.23	5.55	5.69	5.65	5.23	6.08	5.80	5.61
MAX	6.09	5.99	5.80	5.75	5.42	5.78	6.44	6.30	5.76	6.50	6.54	5.95
MIN	5.38	5.15	4.81	4.99	4.92	5.28	5.21	4.80	4.63	5.38	5.22	5.19

WTR YR 1989 MEAN 5.60 MAX 6.54 AUG 22 MIN 4.63 JUN 17

WELL NUMBER.--261434080071901. Local Number G 853. USGS Observation Well at Pompano Beach, FL.

LOCATION.--Lat 26°14'34", long 80°07'19", in NE¼NE¼ sec.35, T.48 S., R.42 E., Hydrologic Unit 03090202, on north side of NE 12th Street, 200 ft west of NE 3rd Avenue, in front of water plant at Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27 ft, cased to 27 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1960 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.28 ft NGVD, Oct. 1, 1968; lowest, 6.54 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.43	.68	.92	.45	-0.49	-0.63	-1.05	-0.81	-0.88	.62	-0.08	.62
10	1.24	.69	.84	.15	-0.63	-0.49	-1.14	-0.89	-0.87	.92	-0.36	.69
15	1.01	.61	.62	.39	-0.83	-0.48	-1.27	-0.93	-1.00	.53	-0.05	.62
20	.80	.64	.46	-0.06	-0.92	-0.87	-1.01	-0.33	-1.02	.25	.61	.71
25	.45	.67	.49	-0.24	-0.91	-1.06	-0.80	-0.44	-0.55	.47	.78	.93
EOM	.17	.74	.46	-0.30	-0.85	-0.87	-0.83	-0.55	.07	.26	.48	.99
MEAN	.90	.62	.67	.09	-0.72	-0.74	-1.03	-0.65	-0.76	.50	.28	.74
MAX	1.60	.74	.92	.46	-0.30	-0.48	-0.80	-0.33	.07	.92	.95	1.02
MIN	.17	.18	.46	-0.30	-0.95	-1.12	-1.34	-1.01	-1.02	.18	-0.36	.45

WTR YR 1989 MEAN .00 MAX 1.60 OCT 2 MIN --1.34 APR 17

BROWARD COUNTY

WELL NUMBER.-261744108011l301. Local Number G 1316. USGS Observation Well near Margate, Fl.

LOCATION.--Lat 26°14'41", long 80°11'13", in SE¼SE¼ sec.30, T.48 S., R.42 E., Hydrologic Unit 03090202, at the northwest corner of Lyons Road, Coconut Creek Parkway, and 1.0 mi east of Margate.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.48 ft above land-surface datum.

PERIOD OF RECORD.--April 1969 to September 1979, February 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.02 ft NGVD, Nov. 18, 1974; lowest, 6.71 ft NGVD, June 27, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.40	7.83	7.38	7.78	7.40	7.56	7.57	7.45	7.23	7.65	7.15	7.64
10	7.27	7.63	7.36	7.61	7.17	7.60	7.42	7.28	7.17	7.47	7.11	7.51
15	7.23	7.38	7.48	7.65	7.15	7.60	7.21	7.65	7.00	7.48	7.17	7.25
20	7.23	7.42	7.37	7.58	7.12	7.50	7.65	7.68	6.85	7.83	7.45	7.26
25	7.22	7.48	7.69	7.55	7.08	7.39	7.77	7.48	6.74	7.79	7.61	7.04
EOM	7.49	7.37	7.69	7.45	7.52	7.35	7.58	7.30	7.14	7.40	7.33	7.20
MEAN	7.31	7.53	7.47	7.67	7.21	7.51	7.52	7.47	7.01	7.64	7.29	7.34
MAX	7.71	7.85	7.72	8.42	7.52	7.62	7.84	7.71	7.27	8.04	7.61	7.69
MIN	7.22	7.31	7.32	7.45	7.07	7.34	7.21	7.17	6.71	7.22	7.04	7.04

WTR YR 1989 MEAN 7.42 MAX 8.42 JAN 1 MIN 6.71 JUN 27

WELL NUMBER.--261501080060701. Local Number G 2147. USGS Observation Well at Pompano Beach, FL.

LOCATION.--Lat 26°15'01", long 80°06'07", in SW¼SW¼ sec. 30, T.48 S., R.43 E., Hydrologic Unit 03090202, 200 ft west of U.S. Highway 1, and 300 ft north of Northeast 14th Street in Golf Course at Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 7-30, Nov. 2-24, 1989 water year.

PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.53 ft NGVD, May 29, 1984; lowest, 1.02 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.15	2.77	2.13	1.58	1.09	1.21	1.11	1.23	.89	1.96	1.06	1.53
10	3.00	2.62	2.06	1.49	1.01	1.30	.99	1.04	.82	1.64	1.27	1.72
15	2.89	2.30	2.05	1.39	.95	1.16	.99	1.52	.71	1.49	1.31	1.64
20	2.75	2.25	1.91	1.30	.94	.94	1.66	1.34	.66	1.30	1.70	1.80
25	2.58	2.35	1.86	1.35	1.23	1.19	1.54	1.30	.70	1.21	1.55	1.78
EOM	2.48	2.40	1.70	1.19	1.37	1.15	1.43	.97	1.92	1.09	1.42	1.77
MEAN	2.83	2.45	1.99	1.41	1.08	1.16	1.25	1.21	.85	1.51	1.34	1.68
MAX	3.15	2.77	2.39	1.68	1.37	1.37	1.67	1.53	1.92	2.16	1.70	1.81
MIN	2.48	2.24	1.70	1.19	.91	.88	.91	.95	.66	1.09	1.03	1.41

WTR YR 1989 MEAN 1.57 MAX 3.15 OCT 5 MIN .66 JUN 20

WELL NUMBER.--261534080165801. Local Number G 2031. USGS Observation Well at Coral Springs, Fl.

LOCATION.--Lat 26°15'34", long 80°16'58", in SE¼SE¼ sec.19, T.48 S., R.41 E., Hydrologic Unit 03090202, on west side of Coral Springs Drive, 150 ft north of Royal Palm Boulevard, in Coral Springs, and 4.0 mi west of U.S. Highway 441.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1972 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.96 ft NGVD, Apr. 25, 1979; lowest, 4.75 ft NGVD estimated, Sept. 5, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.89	6.89	6.55	6.32	6.35	6.26	5.92	6.03	5.90	6.93	7.00	7.93
10	6.85	6.81	6.47	6.26	6.29	6.31	5.82	5.97	6.21	6.91	6.83	7.96
15	6.72	6.66	6.38	6.27	6.17	6.23	5.73	6.24	6.00	6.72	6.83	7.66
20	6.62	6.57	6.30	6.35	6.10	6.23	6.22	6.43	5.77	7.25	7.29	7.51
25	6.49	6.59	6.34	6.55	6.18	6.11	6.22	6.28	5.71	7.45	7.45	7.47
EOM	6.71	6.58	6.35	6.47	6.18	6.00	6.10	6.11	6.18	7.21	7.14	7.52
MEAN	6.71	6.68	6.42	6.38	6.24	6.20	6.00	6.17	5.97	7.00	7.07	7.65
MAX	6.89	6.89	6.59	6.55	6.45	6.31	6.26	6.43	6.21	7.50	7.53	7.96
MIN	6.45	6.55	6.30	6.26	6.09	6.00	5.73	5.87	5.71	6.31	6.78	7.15

WTR YR 1989 MEAN 6.54 MAX 7.96 SEP 10 MIN 5.71 JUN 25

WELL NUMBER.--261645080064701. Local Number G 1215. USGS Observation Well at Pompano Beach, Fl.

LOCATION.--Lat 26°16'45", long 80°06'47", in NE¼SW¼ sec.13, T.48 S., R.42 E., Hydrologic Unit 03090202, at southwest corner of Northeast 40th Street and Dixie Highway in Pompano Beach, and 0.25 mi north of Sample Road.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 15.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.62 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.31 ft NGVD, Oct. 31, 1965; lowest, 2.13 ft below NGVD, Apr. 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.97	3.58	2.41	1.27	.27	-0.40	-1.01	-0.91	-1.38	.01	-0.38	.52
10	4.11	3.52	2.17	1.07	.09	-0.45	-1.09	-1.08	-1.32	.08	-0.48	.41
15	3.69	3.12	1.96	.89	-0.08	-0.52	-1.21	-1.20	-1.43	-0.16	.21	.38
20	3.56	2.88	1.76	.70	-0.28	-0.62	-0.80	-0.93	-1.55	-0.02	.52	.84
25	3.28	2.69	1.65	.62	-0.32	-0.75	-0.77	-1.10	-1.01	-0.12	.64	.84
EOM	3.04	2.54	1.44	.45	-0.42	-0.91	-0.95	-1.27	-0.56	-0.24	.54	.65
MEAN	3.69	3.07	1.96	.89	-0.04	-0.58	-0.97	-1.03	-1.30	-0.10	.18	.59
MAX	4.22	3.62	2.56	1.41	.42	-0.36	-0.76	-0.88	-0.56	.09	.66	.85
MIN	3.04	2.52	1.44	.45	-0.42	-0.91	-1.25	-1.27	-1.59	-0.30	-0.51	.34

WTR YR 1989 MEAN .54 MAX 4.22 OCT 7 MIN -1.59 JUN 22 AND OTHERS

BROWARD COUNTY

WELL NUMBER.--261708080090801. Local Number G 1315. USGS Observation Well near Pompano Beach, Fl.

LOCATION.--Lat 26°17'08", long 80°09'08", in sec.15, T.48 S., R.42 E., Hydrologic Unit 03090202, 50 ft east of Power Line Road, 0.8 mi north of Sample Road, and 2.3 mi northeast of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14 ft.

REVISED RECORDS.--WDR FL-85-2B: 1982

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.66 ft NGVD, Apr. 25, 1979; lowest, 6.28 ft NGVD, June 18, 20, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.82	10.23	9.34	8.73	8.14	7.41	7.25	6.91	6.46	6.91	7.10	7.81
10	10.79	10.13	9.19	8.59	8.00	7.38	6.92	6.75	6.39	6.88	7.24	7.70
15	10.53	9.92	9.04	8.50	7.86	7.37	6.97	7.27	6.34	7.18	7.33	7.60
20	10.40	9.75	8.83	8.42	7.71	7.39	7.32	6.95	6.28	7.38	7.81	7.85
25	10.20	9.53	9.00	8.38	7.63	7.30	7.14	6.80	6.35	7.37	7.83	7.78
EOM	10.02	9.46	8.84	8.22	7.52	7.14	7.19	6.61	6.83	7.14	7.78	7.68
MEAN	10.51	9.86	9.09	8.51	7.89	7.35	7.09	6.86	6.45	7.13	7.45	7.75
MAX	10.90	10.23	9.46	8.82	8.21	7.48	7.43	7.27	6.83	7.39	7.89	7.87
MIN	10.02	9.41	8.83	8.22	7.52	7.14	6.81	6.61	6.28	6.81	7.01	7.55

WTR YR 1989 MEAN 8.00 MAX 10.90 OCT 6 AND OTHERS MIN 6.28 JUN 18 AND OTHERS

WELL NUMBER.--261710080135001. Local Number G 616. USGS Observation Well near Coral Springs, FL.

LOCATION.--Lat 26°17'10", long 80°13'50", in NW¼NW¼ sec.14, T.48 S., R.41 E., Hydrologic Unit 03090202, at southeast corner of Wiles Road and Riverside Drive, 1.2 mi northeast of Coral Springs, 1.95 mi west of Florida Highway 7, and 3 mi south of Hillsboro Canal.

AQUIFER.--Sand of Biscayne aquifer of Pleistocene Age, Geologic Unit 112 BSCNS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft, cased to 15 ft.

REVISED RECORDS.--WDR FL-81-2B: 1980. WDR FL-85-2B: 1980, 1981.

INSTRUMENTATION.--Water-level recorder.

REMARKS.--Well reestablished on April 12, 1989.

DATUM.--Land-surface datum is 12.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.55 ft above land-surface datum.

PERIOD OF RECORD.--January 1952 to September 1988, April 1989 to current year. Records of water levels prior to August 1952 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.05 ft NGVD, June 20, 1959; lowest, 5.38 ft NGVD, Apr. 24, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5							---	7.14	6.96	7.17	6.79	6.98
10							---	7.07	7.11	7.07	6.78	6.95
15							7.27	7.58	6.97	6.95	6.71	7.00
20							7.59	7.27	6.83	7.00	6.94	7.11
25							7.35	7.17	6.80	6.98	6.87	7.39
EOM							7.26	7.28	7.01	6.96	6.79	7.43
MEAN							7.34	7.23	7.00	7.03	6.80	7.11
MAX							7.59	7.58	7.29	7.17	6.94	7.64
MIN							7.23	7.03	6.80	6.94	6.61	6.78

WTR YR 1989 MEAN 7.07 MAX 7.64 SEP 26 MIN 6.61 AUG 9

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BROWARD COUNTY

WELL NUMBER.--261734080111301. Local Number G 1213. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'34", long 80°11'13", in NE¼SE¼ sec.7, T.48 S., R.42 E., Hydrologic Unit 03090202, at south west corner of Wilburn Road and Lyons Road, 1.0 mi east of U.S. 441, and 7.5 mi northwest of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft cased to 11.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 5.53 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.65 ft NGVD, Oct. 15, 1965; lowest, 9.39 ft NGVD, June 29, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.69	10.46	9.80	10.30	10.35	10.09	10.23	10.43	10.07	9.95	9.90	10.20
10	10.45	10.21	9.81	10.18	10.34	10.08	10.29	10.19	10.07	9.91	9.76	10.19
15	10.14	10.02	9.85	10.12	10.26	10.08	10.21	10.52	9.79	10.22	9.82	10.06
20	10.04	9.87	9.86	10.00	10.29	10.11	10.53	10.77	9.63	10.58	10.26	10.32
25	9.90	9.62	10.10	10.26	10.20	10.16	10.75	10.54	9.47	10.36	10.60	10.25
EOM	9.73	9.75	10.24	10.34	10.12	10.12	10.60	10.28	9.47	10.10	10.39	10.18
MEAN	10.22	9.96	9.93	10.20	10.29	10.10	10.40	10.46	9.79	10.15	10.14	10.20
MAX	10.90	10.46	10.24	10.34	10.35	10.16	10.75	10.82	10.22	10.58	10.62	10.34
MIN	9.73	9.60	9.74	9.90	10.12	10.07	10.07	10.03	9.39	9.69	9.74	10.00

WTR YR 1989 MEAN 10.15 MAX 10.90 OCT 1 MIN 9.39 JUN 29

WELL NUMBER.--261837080163001. Local Number G 2030. USGS Observation Well near Ft. Lauderdale, Fl.

LOCATION.--Lat 26°18'36", long 80°16'30", in NE¼SW¼ sec.5, T.48 S., R.41 E., Hydrologic Unit 03090202, on Holmberg Road, 4.6 mi west of U.S. Highway 441, and 16.0 mi northwest of Ft. Lauderdale.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

REVISED RECORDS.--WDR-81-2B: 1980.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 11.33 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980 land-surface datum was considered to be 12.33 ft NGVD. Oct. 1, 1980 to Sept. 30, 1981, land-surface datum was considered to be 12.04 ft. Oct. 1, 1981 to Sept. 30, 1984, land-surface datum was considered to be 11.71. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-4, Nov. 6-8, 17-21, Dec. 16-23, and Sept. 22-30, 1989 water year.

PERIOD OF RECORD.--January 1972 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1984 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.99 ft NGVD, revised, June 18, 1982; lowest, 6.09 ft NGVD, revised, May 5, 6, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.18	7.48	7.87	7.92	7.60	7.37	7.28	7.04	6.71	7.38	6.88	7.80
10	7.33	7.45	8.00	7.92	7.51	7.49	7.27	7.17	7.08	7.24	6.98	7.77
15	7.30	7.45	7.95	7.95	7.52	7.43	7.12	7.34	6.90	6.30	7.21	7.65
20	7.31	7.94	7.85	7.55	7.44	7.43	7.14	7.37	6.69	6.74	7.62	7.65
25	7.38	7.67	7.79	7.48	7.48	7.43	7.04	7.24	6.70	7.35	7.74	7.79
EOM	7.61	7.70	7.86	7.60	7.58	7.26	7.01	6.94	6.80	7.20	7.49	7.69
MEAN	7.34	7.61	7.88	7.77	7.52	7.41	7.15	7.20	6.83	6.97	7.31	7.70
MAX	7.61	7.98	8.01	7.96	7.62	7.59	7.35	7.59	7.08	7.38	7.77	7.98
MIN	7.16	7.37	7.71	7.43	7.43	7.23	6.98	6.94	6.66	6.25	6.88	7.47

WTR YR 1989 MEAN 7.39 MAX 8.01 DEC 11 AND OTHERS MIN 6.25 JUL 13

BROWARD COUNTY

WELL NUMBER.--261903080065601. Local Number G 1260. USGS Observation Well ata Deerfield Beach, Fl.

LOCATION.--Lat 26°19'03", long 80°06'56", in NE¼NW¼ sec.1, T.48 S., R.42 E., Hydrologic Unit 03090202, on south east side of State Road 810 and Interstate 95 at Deerfield Beach, and 0.9 mi west of Florida East Coast Railroad.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 90 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated July 4-13, 1989 water year.

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.02 ft NGVD, Oct. 31, 1965; lowest 0.71 ft below NGVD, June 20, 23, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.44	2.96	2.08	1.16	.34	-0.03	-0.34	-0.25	-0.65	.78	.40	1.25
10	3.69	2.77	1.91	.99	.24	.19	-0.50	-0.36	-0.50	.80	.38	1.18
15	3.29	2.48	1.75	.83	.10	.11	-0.60	-0.34	-0.67	.56	.69	1.27
20	3.08	2.41	1.58	.67	-0.03	-0.01	-0.20	-0.31	-0.71	.69	1.09	1.65
25	2.86	2.21	1.50	.69	-0.02	-0.16	-0.18	-0.45	-0.38	.68	1.17	1.58
EOM	2.62	2.20	1.32	.48	-0.08	-0.28	-0.22	-0.58	.10	.49	1.07	1.47
MEAN	3.24	2.52	1.74	.86	.14	-0.02	-0.35	-0.36	-0.53	.65	.77	1.37
MAX	3.76	2.96	2.21	1.29	.45	.20	-0.15	-0.21	.10	.88	1.19	1.67
MIN	2.62	2.13	1.32	.48	-0.08	-0.28	-0.63	-0.58	-0.71	.34	.31	1.04

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MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
255826080091101	G -1408	25 58 26 N	080 09 11 W	10-25-88	1.30
				05-03-89	2.95
255852080083801	G -1412	25 58 52 N	080 08 38 W	10-25-88	1.28
				05-03-89	1.94
255854080085601	G -2074	25 58 54 N	080 08 56 W	10-25-88	-1.57
				11-28-88	-0.69
				12-30-88	1.03
				01-25-89	-1.05
				02-24-89	0.87
				03-24-89	-0.38
				04-28-89	-0.22
				05-03-89	1.27
				06-06-89	0.17
				06-29-89	3.58
				08-03-89	0.12
				08-29-89	1.68
				09-26-89	0.42
255916080085401	G -1472	25 59 16 N	080 08 54 W	10-25-88	1.51
255918080091801	G -1473	25 59 18 N	080 09 18 W	10-26-88	1.12
				11-28-88	1.03
				01-04-89	0.74
				01-25-89	0.79
				02-24-89	0.78
				03-24-89	0.90
				04-28-89	0.80
				06-06-89	0.90
				06-29-89	3.31
				08-03-89	1.38
				08-29-89	1.80
				09-26-89	1.53
255919080091202	G -2409	25 59 19 N	080 09 12 W	10-25-88	0.91
				11-28-88	1.00
				12-30-88	0.78
				01-25-89	0.78
				02-24-89	0.77
				03-24-89	0.93
				04-28-89	0.76
				05-03-89	1.23
				06-06-89	0.87
				06-29-89	3.35
				08-03-89	1.39
				08-29-89	1.78
				09-26-89	1.54
255919080091203	G -2410			10-26-88	1.12
				11-28-88	1.05
				12-30-88	0.80
				01-25-89	0.82
				02-24-89	0.79
				03-24-89	0.95
				04-28-89	0.82
				06-06-89	0.93
				06-29-89	3.42
				08-03-89	1.40
				08-29-89	1.82
				09-26-89	1.58
255919080091204	G -2408			10-25-88	1.35
				05-03-89	1.28
255925080082801	G -1414	25 59 25 N	080 08 28 W	10-25-88	1.32
				05-03-89	1.45
260000080104401	G -2468	26 00 00 N	080 10 44 W	10-25-88	3.09
				05-03-89	3.38

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
260000080104402	G -2469			10-31-88	2.60
				05-03-89	1.30
260002080105001	G -2470	26 00 02 N	080 10 50 W	10-25-88	-0.14
				05-03-89	1.27
260002080105002	G -2471	26 00 02 N	080 10 50 W	10-25-88	0.87
				05-03-89	1.20
260004080104201	G -2472	26 00 04 N	080 10 42 W	10-25-88	0.93
260004080104202	G -2473			10-25-88	0.98
				05-03-89	1.59
260006080121901	G -1585	26 00 06 N	080 12 19 W	10-25-88	2.35
				05-03-89	1.36
260008080103901	G -2474	26 00 08 N	080 10 39 W	10-25-88	0.56
260027080110101	G -2037	26 00 27 N	080 11 02 W	10-25-88	-0.21
				05-03-89	1.26
260027080110102	G -2038			10-25-88	1.25
				05-03-89	1.25
260027080110103	G -2039	26 00 27 N	080 11 01 W	10-25-88	0.97
				05-03-89	1.25
260035080101501	G -1597	26 00 35 N	080 10 15 W	10-26-88	1.19
				01-24-89	1.00
				03-29-89	0.75
				04-28-89	0.79
				06-01-89	1.03
				08-14-89	1.70
260035080102601	G -2073A	26 00 35 N	080 10 26 W	10-26-88	1.18
				01-24-89	1.00
				04-28-89	0.82
				06-01-89	1.10
				08-14-89	1.56
260035080102602	G -2073			10-26-88	1.16
				01-24-89	1.02
				03-29-89	0.77
				04-28-89	0.82
				06-01-89	1.08
				08-14-89	1.52
260041080093101	G -2425	26 00 41 N	080 09 31 W	10-26-88	1.36
				01-24-89	1.05
				03-29-89	0.93
				04-28-89	1.00
				06-01-89	1.26
				08-14-89	1.72
260041080093102	G -2426			10-26-88	1.48
				01-24-89	1.07
				03-29-89	0.96
				04-28-89	1.11
				06-01-89	1.31
				08-14-89	1.66
260044080094901	G -1588	26 00 44 N	080 09 49 W	10-25-88	1.95
				05-03-89	1.32
260054080103301	G -1240	26 00 54 N	080 10 33 W	10-26-88	1.16
				01-24-89	1.09
				03-29-89	1.70
				04-28-89	0.71
				06-01-89	0.97
				08-14-89	1.48
260104080120201	G -1185	26 01 04 N	080 12 02 W	10-25-88	0.92
				05-03-89	1.29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
260132080102201	G -1570	26 01 32 N	080 10 22 W	10-25-88	0.57
				05-03-89	1.21
260136080094301	G -1569	26 01 36 N	080 09 43 W	10-25-88	0.92
				05-03-89	1.24
260205080133201	G -1575	26 02 05 N	080 13 32 W	05-03-89	1.49
260238080163301	G -1194	26 02 38 N	080 16 33 W	10-25-88	3.95
				05-03-89	1.92
260459080112201	G -2489	26 04 59 N	080 11 22 W	11-08-88	1.47
				03-16-89	1.38
				05-12-89	1.12
260521080122401	G -2125	26 05 21 N	080 12 24 W	10-19-88	2.02
				10-25-88	1.72
260521080122401	G -2125	26 05 21 N	080 12 24 W	11-22-88	1.33
				12-29-88	1.48
				01-30-89	1.37
				02-28-89	1.64
				03-23-89	1.61
				04-26-89	1.50
				05-03-89	1.41
				05-22-89	1.35
				06-14-89	0.65
				09-14-89	1.89
260527080123801	G -1344	26 05 27 N	080 12 38 W	10-19-88	1.16
				10-25-88	1.16
				11-22-88	0.89
				12-29-88	1.03
				01-30-89	1.02
				02-28-89	1.43
				03-23-89	1.55
				04-26-89	1.15
				05-03-89	1.42
				05-22-89	0.97
				06-14-89	1.66
				09-25-89	1.52
260529080115801	G -2128	26 05 29 N	080 11 58 W	10-19-88	1.55
				10-25-88	1.34
				11-22-88	0.87
				12-29-88	1.12
				01-30-89	1.04
				02-28-89	1.55
				03-23-89	1.65
				04-26-89	0.96
				05-03-89	1.08
				05-22-89	0.79
				06-14-89	0.56
				09-14-89	1.40
260529080115802	G -2127			10-19-88	1.69
				11-22-88	0.91
				12-29-88	1.11
				01-30-89	1.01
				02-28-89	1.49
				03-23-89	1.38
				04-26-89	1.06
				05-22-89	0.86
				06-14-89	1.62
				09-14-89	1.42

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
260530080112101	G -2130	26 05 30 N	080 11 21 W	10-19-88	0.68
				10-25-88	1.58
				11-22-88	0.87
				01-30-89	1.03
				02-28-89	1.10
				03-23-89	1.04
				04-26-89	1.01
				05-03-89	1.02
				05-22-89	0.89
				06-14-89	0.61
				09-14-89	1.40
260533080123701	G -2122	26 05 33 N	080 12 37 W	10-19-88	1.14
				10-25-88	1.08
				11-22-88	0.90
				12-29-88	0.99
				01-30-89	0.91
				02-28-89	1.22
				03-23-89	1.41
				04-26-89	1.09
				05-03-89	1.06
				05-22-89	0.89
260533080123701	G -2122	26 05 33 N	080 12 37 W	06-14-89	0.64
260535080104301	G - 854	26 05 35 N	080 10 43 W	10-19-88	3.44
				10-25-88	3.06
				11-22-88	2.47
				12-29-88	2.61
				01-30-89	2.54
				02-28-89	2.56
				03-23-89	2.64
				05-03-89	2.85
				06-14-89	2.41
				09-14-89	2.97
260551080122901	G - 603	26 05 51 N	080 12 29 W	10-25-88	0.60
				05-03-89	0.82
260558080122701	G - 582	26 05 58 N	080 12 27 W	10-25-88	0.62
				05-03-89	1.13
260558080122702	G - 600			10-25-88	0.28
				05-03-89	0.65
260601080120401	G -2380	26 06 01 N	080 12 04 W	10-25-88	-1.56
				05-03-89	-1.07
260605080122501	G - 604	26 06 02 N	080 12 25 W	10-25-88	-0.49
				05-03-89	0.05
260605080125801	G -1092	26 06 50 N	080 12 58 W	10-25-88	3.37
				05-03-89	6.45
260607080124801	G - 990	26 06 07 N	080 12 48 W	10-25-88	1.04
				05-03-89	1.43
260608080120401	G - 481	26 06 08 N	080 12 04 W	10-25-88	-2.94
				05-03-89	-2.34
260612080122301	G - 587	26 06 12 N	080 12 23 W	05-03-89	0.61
260612080122701	G - 605	26 06 12 N	080 12 27 W	10-25-88	-1.09
				05-03-89	0.22
260612080124401	G - 460	26 06 12 N	080 12 44 W	10-25-88	1.50
				05-03-89	2.61
260624080120101	G -2141	26 06 24 N	080 12 01 W	10-25-88	0.23
				05-03-89	0.46

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
260636080122601	G - 453	26 06 36 N	080 12 26 W	10-25-88	1.11
				05-03-89	1.63
260636080131201	G -2145	26 06 36 N	080 13 12 W	10-25-88	1.39
				05-03-89	1.85
260638080095801	G -2131	26 06 38 N	080 09 58 W	10-25-88	1.19
				05-03-89	1.60
260649080122801	G - 482	26 06 49 N	080 12 28 W	10-25-88	-0.28
				05-03-89	0.69
260704080125201	G - 457	26 07 04 N	080 12 52 W	10-25-88	2.06
				05-03-89	2.56
260724080123701	G - 986	26 07 24 N	080 12 37 W	10-25-88	1.63
260753080113901	G -1343	26 07 53 N	080 11 39 W	10-19-88	2.06
				10-25-88	1.52
				11-22-88	1.25
				12-29-88	1.47
				01-30-89	1.33
				02-28-89	1.46
				03-23-89	1.39
				05-03-89	2.01
				06-14-89	1.36
261020080131701	G -2361	26 10 20 N	080 13 17 W	10-25-88	4.34
				05-03-89	4.02
261020080131702	G -2361A			10-25-88	4.43
				05-03-89	4.06
261026080100201	G -2091	26 10 26 N	080 10 02 W	10-26-88	1.87
				12-29-88	0.34
				02-28-89	1.07
				03-22-89	1.15
				04-27-89	1.60
				05-23-89	1.43
				06-16-89	1.20
[illegible]026080100201	G -2091	26 10 26 N	080 10 02 W	08-23-89	2.56
261030080120001	G -1451	26 10 30 N	080 12 00 W	05-03-89	1.89
261037080093801	G -1453	26 10 37 N	080 09 38 W	10-25-88	2.08
				05-03-89	2.83
261040080100901	G -2114	26 10 40 N	080 10 09 W	10-25-88	1.84
				05-03-89	1.65
261045080093502	G -1452	26 10 45 N	080 09 35 W	10-25-88	2.10
				05-03-89	1.95
261047080114701	G -2118	26 10 47 N	080 11 47 W	10-25-88	0.81
				05-03-89	-0.18
261050080091701	G -2110	26 10 50 N	080 09 17 W	10-25-86	2.03
				05-03-89	1.98
261051080095401	G - 870	26 10 51 N	080 09 54 W	10-25-88	3.28
				05-03-89	2.68
261052080101601	G - 815A	26 10 52 N	080 10 16 W	10-25-88	3.62
				05-03-89	5.47

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261100080140402	G -1212A	26 11 00 N	080 09 04 W	10-25-88	2.11
				10-26-88	2.09
				12-29-88	1.52
				03-22-89	1.66
				04-27-89	1.96
				05-03-89	2.11
				08-23-89	3.02
261107080120301	G -2370	26 11 07 N	080 12 03 W	10-25-88	-1.22
				05-03-89	-2.16
261107080120302	G -2370A			10-25-88	-0.86
				05-03-89	-1.76
261111080093001	G -2109	26 11 11 N	080 09 30 W	10-25-88	2.48
				05-03-89	2.56
261112080121401	G -2108	26 11 12 N	080 12 14 W	10-25-88	3.33
				05-03-89	2.86
261114080112801	G -2458	26 11 14 N	080 11 28 W	10-25-88	-2.35
				05-03-89	-3.09
261114080112802	G -2459			10-25-88	-2.93
				05-03-89	-3.46
261115080103201	G -2104	26 11 15 N	080 10 32 W	10-25-88	1.16
				05-03-89	1.23
261122080131101	G -2407	26 11 22 N	080 13 11 W	10-25-88	4.82
				05-03-89	4.92
261128080102201	G -2440	26 11 28 N	080 10 22 W	10-25-88	2.19
				05-03-89	2.15
261133080113501	G -2460	26 11 33 N	080 11 35 W	10-25-88	-4.85
				05-03-89	-5.17
261133080113502	G -2461			10-25-88	-5.64
				05-03-89	-4.99
261142080112301	G -2417	26 11 42 N	080 11 23 W	10-25-88	-6.14
				05-03-89	-6.11
261146080125501	G -2406	26 11 46 N	080 12 55 W	10-25-88	4.38
				05-03-89	4.20
261146080125502	G -2449			10-25-88	4.32
				05-03-89	4.15
261147080112201	G -2416	26 11 47 N	080 11 22 W	10-25-88	-5.94
				05-03-89	-6.40
261147080112501	G -2415	26 11 47 N	080 11 25 W	10-25-88	-6.39
				05-03-89	-6.85
261147080112802	G -2412	26 11 47 N	080 11 28 W	10-25-88	-7.05
				05-03-89	-7.49
261147080113101	G -2418	26 11 47 N	080 11 31 W	10-25-88	-7.80
				05-03-89	-7.90
261147080114501	G -2395	26 11 47 N	080 11 45 W	10-25-88	-9.28
				05-03-89	-9.41
261147080114502	G -2396			10-25-88	-9.50
				05-03-89	-9.57
261147080121301	G -2388	26 11 47 N	080 12 13 W	10-25-88	-11.82
				05-03-89	-12.75
261147080121302	G -2389	26 11 47 N	080 12 13 W	10-25-88	-12.44
				05-03-89	-13.40

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
261150080094602	G -2275	26 11 50 N	080 09 46 W	10-25-88	3.26
				05-03-89	3.35
261158080114301	G -2456	26 11 58 N	080 11 43 W	10-25-88	-8.46
				05-03-89	-8.70
261158080114302	G -2457			10-25-88	-9.42
				05-03-89	-9.79
261202080111601	G -2436	26 12 02 N	080 11 16 W	10-25-88	-4.39
				05-03-89	-5.19
261202080111602	G -2437			10-25-88	-4.49
				05-03-89	-5.15
261203080100601	G - 805	26 12 03 N	080 10 06 W	10-25-88	3.38
				05-03-89	3.71
261207080103701	G -2433	26 12 07 N	080 10 37 W	10-25-88	-0.53
				05-03-89	-0.73
261207080103702	G -2434			10-25-88	-0.91
				05-03-89	0.13
261207080103703	G -2435			10-25-88	-0.18
				05-03-89	0.40
261207080115701	G -2452	26 12 07 N	080 11 57 W	10-25-88	-10.32
				05-03-89	-11.54
261207080115702	G -2453			10-25-88	-12.15
				05-03-89	-13.32
261211080101201	G -2096	26 12 11 N	080 10 12 W	10-25-88	1.73
				05-03-89	2.74
261217080111301	G -2405	26 12 17 N	080 11 13 W	10-25-88	0.75
				05-03-89	-0.44
261217080111302	G -2451			10-25-88	-2.69
				05-03-89	-3.65
261218080104301	G - 866	26 12 18 N	080 10 43 W	10-25-88	0.70
				05-03-89	-1.70
261224080093501	G -2427	26 12 24 N	080 09 35 W	10-25-88	4.32
				05-03-89	4.63
261224080093502	G -2428			10-25-88	4.21
				05-03-89	4.46
261224080093503	G -2429			10-25-88	4.29
				05-03-89	3.92
261232080141401	G -2359	26 12 32 N	080 14 14 W	10-25-88	4.27
				05-03-89	4.25
261232080141402	G -2359A			10-25-88	4.36
				05-03-89	4.30
261234080122102	G -2454	26 12 34 N	080 12 21 W	10-25-88	5.22
				05-03-89	5.02
261234080122103	G -2455			10-25-88	4.87
				05-03-89	4.59
261258080112901	G -2482	26 12 58 N	080 11 29 W	10-25-88	5.95
				05-03-89	5.93
261307080112001	G -2481	26 13 07 N	080 11 20 W	10-25-88	5.83
				05-03-89	5.88
261308080131201	G -2394	26 13 08 N	080 13 12 W	10-25-88	5.38
				05-03-89	5.73

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
261351080062501	G -2054	26 13 51 N	080 06 25 W	02-01-89	1.85
				03-28-89	2.43
				06-13-89	1.58
				08-25-89	2.02
261354080070201	G -2062	26 13 54 N	080 07 02 W	10-19-88	1.11
				02-01-89	-0.04
				03-28-89	0.01
				04-26-89	-0.57
				06-13-89	-0.87
				08-25-89	-0.28
261356080063801	G -2066	26 13 58 N	080 06 38 W	10-25-88	2.20
261358080071502	G -1558	26 13 58 N	080 07 15 W	10-25-88	4.99
				05-03-89	0.75
261359080062301	G -2055	26 13 59 N	080 06 23 W	10-19-88	2.35
				02-01-89	1.85
				04-26-89	1.83
				08-25-89	1.61
261403080070801	G -2149	26 14 03 N	080 07 08 W	10-19-88	2.04
				10-25-88	1.79
				02-01-89	0.95
				03-28-89	1.40
				04-26-89	0.78
				05-03-89	0.62
				06-13-89	0.51
				08-25-89	1.52
261413080071401	G -2065	26 14 13 N	080 07 14 W	10-25-88	0.10
				05-03-89	-1.07
261419080065101	GP -1351	26 14 19 N	080 06 51 W	10-25-88	1.79
				05-03-89	0.76
261423080071503	G -2344A	26 14 23 N	080 07 15 W	02-01-89	-0.42
				06-13-89	-1.42
				08-26-89	0.68
261427080062701	G -2067	26 14 27 N	080 06 27 W	10-25-88	2.39
				05-03-89	1.25
261433080061001	G -2070	26 14 33 N	080 06 10 W	10-25-88	3.25
				05-03-89	2.26
261436080071601	GP -1357	26 14 36 N	080 07 16 W	10-25-88	-2.24
				05-03-89	-2.94
261446080071601	GP -1355	26 14 58 N	080 07 14 W	10-25-88	0.23
261448080061301	G -2001	26 14 48 N	080 06 13 W	10-25-88	2.39
261500080055401	G -2063	26 15 00 N	080 05 54 W	10-25-88	0.86
				05-03-89	-0.01
261518080074002	G -2401	26 15 18 N	080 07 40 W	10-25-88	6.24
261544080062401	G -2072	26 15 44 N	080 06 24 W	10-25-88	3.12
				05-03-89	-0.19
261544080062402	G -2277			10-19-88	3.54
				02-01-89	0.81
				04-26-89	-0.06
261725080054801	G -2254	26 17 25 N	080 05 48 W	10-26-88	3.59
				05-03-89	1.15
261729080061801	G -2247	26 17 29 N	080 06 18 W	10-25-88	1.27

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
261732080055201	G -2253	26 17 32 N	080 05 52 W	10-25-88	3.60
				05-03-89	0.82
261732080061201	G -2249	26 17 32 N	080 06 12 W	10-25-88	7.25
				05-03-89	2.41
261735080062701	G -2272	26 17 35 N	080 06 27 W	10-25-88	0.13
				05-03-89	-3.01
261737080064001	G -2250	26 17 37 N	080 06 40 W	10-25-88	0.88
261746080060401	G -2252	26 17 46 N	080 06 04 W	10-25-88	8.54
261747080061801	G -2246	26 17 47 N	080 06 18 W	10-25-88	1.09
				05-03-89	-2.51
261814080054601	G -2060	26 18 14 N	080 05 46 W	10-25-88	-1.19
				05-04-89	-3.92
261837080130501	G -2156	26 18 37 N	080 13 05 W	10-25-88	11.06

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
255845080095301	G -1549	25 58 45 N	080 09 53 W	10-26-88	670	62
				11-28-88	620	62
				12-30-88	600	82
				01-25-89	595	60
				02-24-89	650	64
				03-24-89	720	80
				04-28-89	670	64
				05-17-89	680	68
				06-29-89	640	62
				08-03-89	720	68
				08-29-89	750	74
				09-26-89	680	64
255854080085601	G -2074	25 58 54 N	080 08 56 W	11-28-88	29500	10000
				12-30-88	29000	10000
				01-25-89	27000	10000
				02-24-89	28000	10000
				03-24-89	29000	11000
				04-28-89	24500	10000
				06-06-89	30200	11000
				06-29-89	450	100
				08-03-89	28000	10000
				08-29-89	1900	600
				09-26-89	30000	10000
255910080085801	G -2351A	25 59 10 N	080 08 58 W	10-26-88	25000	7700
				08-03-89	23000	8000
				08-29-89	23000	8100
				09-26-89	24000	7900
255910080085802	G -2294			10-26-88	860	140
				11-28-88	795	130
				12-30-88	750	130
				01-25-89	700	130
				02-24-89	820	140
				03-24-89	775	200
				04-28-89	770	140
				06-06-89	800	140
				06-29-89	700	110
				08-03-89	800	130
				08-29-89	830	130
				09-26-89	800	150
255916080084501	G -1433	25 59 16 N	080 08 45 W	08-03-89	33500	12000
				08-29-89	32000	11000
				09-26-89	33500	12000
255916080085301	G -1434	25 59 16 N	080 08 53 W	10-26-88	29000	8700
				11-28-88	27000	9200
				12-30-88	26000	9200
				01-25-89	23000	8900
				02-24-89	25000	9000
				03-24-89	26000	9500
				06-06-89	29000	9600
				06-29-89	28000	9500
				08-03-89	27500	9700
				08-29-89	25500	9500
				09-26-89	28000	9500
255916080090401	G -1435	25 59 16 N	080 09 04 W	10-26-88	18000	5400
				11-28-88	16500	5400
				12-30-88	16000	5600
				01-25-89	15500	5400
				02-24-89	15200	5300
				03-24-89	15000	5800
				06-06-89	17500	5400
				06-29-89	16200	5800
				08-03-89	16000	5900
				08-29-89	15200	5500

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
255918080091801	G -1473	25 59 18 N	080 09 18 W	10-26-88	610	44
				11-28-88	560	42
255918080091801	G -1473	25 59 18 N	080 09 18 W	01-04-89	560	40
				01-25-89	520	40
				02-24-89	570	40
				03-24-89	560	40
				04-28-89	530	44
				06-06-89	600	56
				06-29-89	600	40
				08-03-89	550	42
				08-29-89	640	44
				09-26-89	580	42
255919080091202	G -2409	25 59 19 N	080 09 12 W	11-28-88	450	20
				12-30-88	420	20
				01-25-89	420	18
				02-24-89	450	20
				03-24-89	445	20
				04-28-89	430	18
				06-06-89	500	16
				06-29-89	420	12
				08-03-89	520	24
				08-29-89	550	24
				09-26-89	480	18
255919080091203	G -2410			10-26-88	630	48
				11-28-88	620	46
				12-30-88	560	52
				01-25-89	550	60
				02-24-89	580	48
				03-24-89	585	48
				04-28-89	640	54
				06-29-89	640	62
				08-03-89	640	50
				08-29-89	640	50
				09-26-89	600	50
255936080091701	G -2477	25 59 36 N	080 09 17 W	10-26-88	550	36
				11-28-88	520	34
				12-30-88	460	44
				01-25-89	495	36
				02-24-89	540	38
				03-24-89	520	34
				04-28-89	490	38
				06-06-89	540	34
				06-29-89	560	34
				08-03-89	560	36
				08-29-89	575	38
				09-26-89	520	36
255936080091702	G -2478			10-26-88	590	52
				11-28-88	520	50
				12-30-88	520	56
				01-25-89	520	50
				02-24-89	550	48
				03-24-89	550	50
				04-28-89	520	50
				06-06-89	580	52
				06-29-89	600	52
				08-03-89	660	54
				08-29-89	640	58
				09-26-89	600	54
255948080090901	G -1241	25 59 48 N	080 09 09 W	08-16-89	960	230
				09-06-89	1040	210
				09-26-89	1060	130

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
260035080101501	G -1597	26 00 35 N	080 10 15 W	10-26-88	1820	520
				01-24-89	1550	370
				03-29-89	1600	380
				04-28-89	1650	390
				06-01-89	1700	270
				08-14-89	1500	390
260035080102601	G -2073A	26 00 35 N	080 10 26 W	10-26-88	620	44
				01-24-89	590	56
				04-28-89	700	50
				06-01-89	600	56
				08-14-89	580	48
260035080102602	G -2073			10-26-88	740	140
				01-24-89	790	130
				03-29-89	850	110
				04-28-89	700	100
				06-01-89	800	120
				08-14-89	810	140
260041080093101	G -2425	26 00 41 N	080 09 31 W	10-26-88	740	76
				01-24-89	720	82
				03-29-89	750	80
				04-28-89	725	90
				06-01-89	750	78
				08-14-89	740	88
260041080093102	G -2426			10-26-88	600	34
				01-24-89	735	36
				03-29-89	575	36
				04-28-89	525	38
				06-01-89	600	38
				08-14-89	560	34
260045080102201	G -2000	26 00 45 N	080 10 22 W	10-26-88	3000	760
				01-24-89	2790	720
				03-29-89	2700	780
				04-28-89	2800	740
				06-01-89	3000	740
				08-14-89	2800	740
260045080103401	G -2040	26 00 45 N	080 10 34 W	10-26-88	680	44
				01-24-89	435	36
				03-29-89	640	42
				04-28-89	500	40
				06-01-89	425	36
				08-14-89	520	46
260053080102301	G -1548	26 00 53 N	080 10 23 W	10-26-88	2500	640
				01-24-89	2610	680
				03-29-89	2500	660
				04-28-89	2400	640
				06-01-89	2550	620
				08-14-89	2450	580
260054080103301	G -1240	26 00 54 N	080 10 33 W	10-26-88	1120	230
				01-24-89	1150	210
				03-29-89	1090	220
				04-28-89	1100	220
				06-01-89	1200	230
				08-14-89	780	98
260111080101401	G -2176A	26 01 11 N	080 10 14 W	10-26-88	630	38
				01-24-89	580	36
				03-29-89	650	25
				04-28-89	675	44
				06-01-89	625	36
				08-14-89	600	38

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
260111080101402	G -2176			10-26-88	1000	170
				01-24-89	580	88
				03-29-89	90	15
				04-28-89	625	110
260120080093401	G -2441	26 01 20 N	080 09 34 W	10-26-88	1550	340
				01-24-89	1550	340
				03-29-89	1520	340
				04-28-89	1570	320
				06-01-89	1500	320
				08-14-89	1400	300
260311080120402	G -2270	26 03 11 N	080 12 04 W	10-26-88	720	74
				05-03-89	715	96
260406080120401	S - 830	26 04 06 N	080 12 04 W	10-26-88	7200	2200
				05-04-89	8000	2600
260442080120001	G -2492	26 04 42 N	080 12 00 W	11-08-88	650	32
				01-11-89	580	37
				03-17-89	680	26
				05-12-89	630	25
260451080113801	G -2491	26 04 51 N	080 11 38 W	11-08-88	6600	2200
				01-11-89	5900	2000
				03-16-89	8600	2700
				05-12-89	8100	2600
				07-02-89	2000	610
260451080120101	G -2493	26 04 51 N	080 12 01 W	11-08-88	730	72
				01-11-89	830	62
				03-17-89	865	70
				05-12-89	840	58
260452080111801	G -2487	26 04 52 N	080 11 18 W	01-11-89	11000	3600
				03-16-89	13200	4400
				05-12-89	12100	3900
				07-02-89	1800	500
260456080112001	G -2488	26 04 56 N	080 11 20 W	11-08-88	17600	6200
				01-11-89	22000	7500
				03-16-89	11200	3600
				05-12-89	10900	3700
				07-02-89	2150	640
260458080113401	G -2490	26 04 58 N	080 11 34 W	11-08-88	5840	1300
				01-11-89	5700	1400
				03-16-89	8800	1900
				05-12-89	8100	1700
260459080112201	G -2489	26 04 59 N	080 11 22 W	11-08-88	6200	1200
				03-16-89	8050	2500
				05-12-89	7200	2100
260504080124301	G -2494	26 05 04 N	080 12 43 W	01-11-89	5600	1100
				03-17-89	5200	940
				05-12-89	5100	970
260521080122401	G -2125	26 05 21 N	080 12 24 W	10-19-88	1200	32
				11-22-88	650	47
				12-29-88	625	42
				01-30-89	645	47
				02-28-89	620	50
				03-23-89	600	48
				04-26-89	675	54
				05-22-89	620	54
				06-14-89	675	50
				09-14-89	620	38

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260525080123901	G -2121	26 05 25 N	080 12 39 W	10-19-88	1700	320
				11-22-88	1630	320
				12-29-88	1600	310
				01-30-89	1590	340
				02-28-89	1600	340
				03-23-89	1600	320
				06-14-89	1560	320
				09-14-89	1650	350
260527080123801	G -1344	26 05 27 N	080 12 38 W	10-19-88	1200	150
				11-22-88	910	170
				12-29-88	855	160
				01-30-89	825	170
				02-28-89	840	170
				03-23-89	800	160
				04-26-89	150	15
				05-22-89	825	180
				06-14-89	250	29
				09-25-89	780	100
260528080122301	G -2123	26 05 28 N	080 12 23 W	10-19-88	580	37
				11-22-88	720	72
				12-29-88	720	72
260528080122301	G -2123	26 05 28 N	080 12 23 W	01-30-89	700	66
				02-28-89	650	68
				03-31-89	620	64
				04-26-89	560	70
260529080115801	G -2128	26 05 29 N	080 11 58 W	10-19-88	425	15
				11-22-88	440	10
				12-29-88	435	12
				01-30-89	450	15
				02-28-89	460	25
				03-23-89	440	16
				04-26-89	390	36
				05-22-89	350	20
				06-14-89	400	24
				09-14-89	360	16
260529080115802	G -2127			10-19-88	475	15
				11-22-88	410	16
				12-29-88	450	17
				01-30-89	550	19
				02-28-89	550	25
				03-23-89	540	18
				04-26-89	110	12
				05-22-89	120	16
				06-14-89	420	40
				09-14-89	400	26
260530080112101	G -2130	26 05 30 N	080 11 21 W	10-19-88	550	30
				11-22-88	540	30
				01-30-89	625	30
				02-28-89	640	35
				03-23-89	640	32
				04-26-89	600	50
				05-22-89	575	44
				06-14-89	600	44
				09-14-89	560	36
260533080121001	G -2126	26 05 33 N	080 12 10 W	10-19-88	415	16
				11-22-88	415	14
				12-29-88	425	15
				01-30-89	425	22
				02-28-89	435	24
				03-23-89	420	20
				09-14-89	400	24

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-TANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
260533080123701	G -2122	26 05 33 N	080 12 37 W	10-19-88	525	44
				11-22-88	560	33
				12-29-88	535	38
				01-30-89	540	43
				02-28-89	550	43
				03-23-89	530	41
				04-26-89	110	15
				05-22-89	145	21
				06-14-89	590	46
				09-14-89	550	44
260534080112101	G -2129	26 05 34 N	080 11 21 W	09-14-89	180	12
260535080104301	G - 854	26 05 35 N	080 10 43 W	10-19-88	6500	2100
				11-22-88	6980	2000
				12-29-88	6670	1800
				01-30-89	6520	1900
				02-28-89	6520	1900
				03-23-89	6500	1800
				06-14-89	7040	2000
				09-14-89	6800	1900
260547080105801	G -2352	26 05 47 N	080 10 58 W	04-26-89	1250	280
				05-22-89	1260	270
				06-14-89	1400	320
				09-14-89	1550	300
260753080113901	G -1343	26 07 53 N	080 11 39 W	10-19-88	835	88
				11-22-88	815	80
260753080113901	G -1343	26 07 53 N	080 11 39 W	12-29-88	830	84
				01-30-89	850	92
				02-28-89	850	93
				03-23-89	830	91
				06-14-89	760	64
				09-25-89	150	18
261018080091101	G -2180	26 10 18 N	080 09 11 W	10-26-88	980	190
				12-29-88	860	170
				02-28-89	850	160
				03-22-89	830	150
				04-19-89	260	36
				05-23-89	700	60
				06-16-89	1100	200
				08-23-89	930	170
261026080100201	G -2091	26 10 26 N	080 10 02 W	10-26-88	670	46
				12-29-88	650	42
				02-28-89	610	22
				03-22-89	625	29
				04-27-89	625	48
				05-23-89	620	50
				06-16-89	695	58
				08-23-89	590	48
261026080100701	G -1347	26 10 26 N	080 10 07 W	10-26-88	660	40
				12-29-88	635	40
				02-28-89	610	20
				03-22-89	600	24
				04-27-89	625	38
				05-23-89	610	46
				06-16-89	545	54
				08-23-89	570	40

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

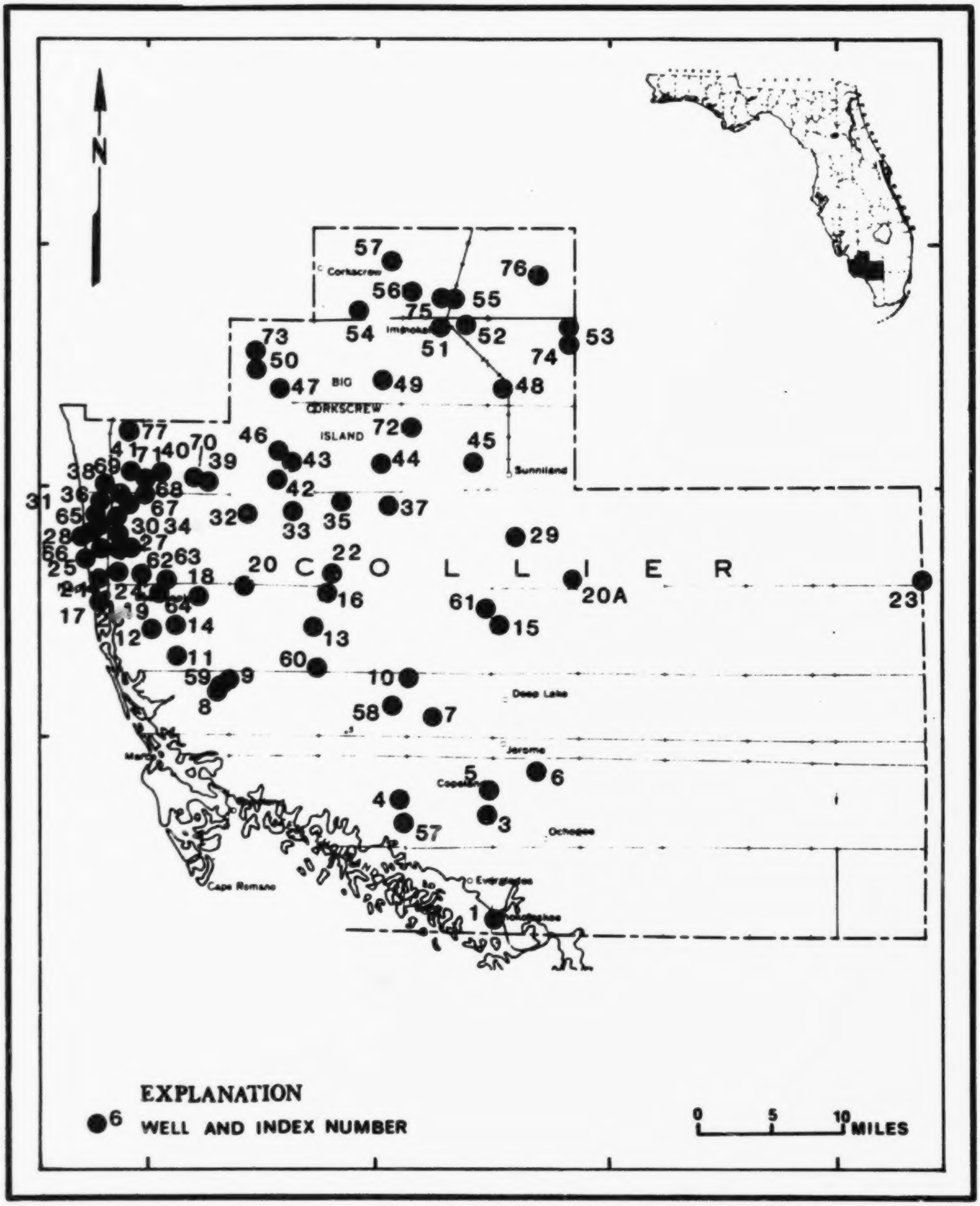
STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261045080093501	G -2090	26 10 45 N	080 09 35 W	10-21-88	620	42
				12-29-88	600	40
				02-28-89	570	21
				03-22-89	600	39
				04-27-89	125	19
				05-23-89	570	50
				06-16-89	125	11
				08-23-89	540	42
261100080140402	G -1212A	26 11 00 N	080 09 04 W	10-26-88	640	40
				12-29-88	620	38
				03-22-89	570	37
				04-27-89	525	58
				08-23-89	400	58
261122080083401	G -1232	26 11 22 N	080 08 34 W	10-26-88	410	22
				12-29-88	370	20
				03-22-89	340	15
				04-27-89	375	28
				05-23-89	365	30
				06-16-89	375	44
				08-23-89	350	24
261143080082901	G -1340	26 11 43 N	080 08 29 W	10-26-88	650	46
				12-29-88	550	42
				03-22-89	520	16
				04-27-89	520	44
				05-23-89	525	48
				06-16-89	550	54
				08-23-89	530	42
261351080062501	G -2054	26 13 51 N	080 06 25 W	02-01-89	28000	9600
				03-28-89	29500	10000
				06-13-89	28200	10000
				08-25-89	25000	8800
261354080070201	G -2062	26 13 54 N	080 07 02 W	10-19-88	24000	8200
				02-01-89	27500	9200
				03-28-89	28500	11000
				04-26-89	27000	10000
261354080070201	G -2062	26 13 54 N	080 07 02 W	06-13-89	28500	10000
				08-25-89	29000	10000
261359080062301	G -2055	26 13 59 N	080 06 23 W	10-19-88	8200	2800
				02-01-89	4350	1500
				04-26-89	9500	3300
				08-25-89	10300	3300
261359080062302	G -2055A			10-19-88	32200	10000
				02-01-89	26500	9100
				03-28-89	25200	8600
				04-26-89	23600	8700
				06-13-89	26000	9300
				08-25-89	29000	9900
261403080070801	G -2149	26 14 03 N	080 07 08 W	10-19-88	650	120
				02-01-89	710	100
				03-28-89	1080	200
				04-26-89	965	190
				06-13-89	900	160
				08-25-89	780	130
261413080071402	G -2447	26 14 13 N	080 07 14 W	10-19-88	420	40
				02-01-89	660	24
				03-28-89	500	26
				04-26-89	480	24
				06-13-89	640	58
				08-25-89	470	72

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261423080071503	G -2344A	26 14 23 N	080 07 15 W	02-01-89	670	38
				04-26-89	495	24
				06-13-89	690	38
				08-26-89	500	40
261427080062702	G -2276	26 14 27 N	080 06 27 W	10-19-88	1200	330
				02-01-89	1400	520
				03-28-89	1700	410
				04-26-89	1640	430
				06-13-89	1750	470
				08-25-89	360	26
261427080064002	G -2480	26 14 27 N	080 06 40 W	10-19-88	375	38
				02-01-89	650	60
				03-28-89	630	52
				04-27-89	580	60
				06-13-89	630	60
				08-25-89	640	66
261446080062801	G -2445	26 14 46 N	080 06 28 W	10-19-88	1080	330
				02-01-89	390	24
				04-27-89	1230	220
				06-13-89	400	14
				08-25-89	800	230
261501080060702	G -2064	26 15 01 N	080 06 07 W	10-19-88	34000	11000
				02-01-89	37500	13000
				03-28-89	36500	13000
				04-26-89	30400	13000
				06-13-89	35500	13000
				08-25-89	35000	12000
261544080062402	G -2277	26 15 44 N	080 06 24 W	10-19-88	518	18
				02-01-89	560	30
				03-28-89	615	32
				04-26-89	595	22
261725080054801	G -2254	26 17 25 N	080 05 48 W	10-26-88	320	24
				05-03-89	320	32
261726080054101	G -2255	26 17 26 N	080 05 41 W	10-26-88	41000	13000
				05-03-89	39500	14000
261814080054601	G -2060	26 18 14 N	080 05 46 W	10-25-88	310	16
				05-04-89	300	22

KEY TO SITE LOCATIONS ON FIGURE 5
COLLIER COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	254858081231601	C 39	62
3	255430081221001	C 311	62
4	255700081274501	C 269	63
57	255637081281401	C 1065	63
57	255637081281402	C 1066	64
5	255703081213801	C 995	64
6	255748081181801	C 495	65
7	260111081243901	C 496	65
58	260137081375901	C 1063	66
58	260137081375902	C 1064	66
8	260238081401401	C 969	67
59	260247081412201	C 1081	67
9	260304081391401	C 975	68
10	260309081272601	C 987	68
60	260314081323101	C 1067	69
60	260314081323102	C 1068	69
9	260334081391601	C 968	70
11	260448081411601	C 446	70
12	260540081430601	C 967	71
12	260549081441901	C 600	71
13	260632081324702	C 690	72
14	260630081411401	C 599	72
15	260640081204301	C 296	73
61	260813081214301	C 1069	73
61	260813081214302	C 1070	74
16	260843081324201	C 973	74
16	260843081324202	C 972	75
17	260902081480401	C 130	75
18	260908081411201	C 996	76
19	260912081434201	C 175	76
20	260915081385901	C 976	77
20	260915081385902	C 977	77
20A	260919081155901	C 308	78
62	260919081460501	C 1052	78
62	260919081460502	C 1053	79
21	260925081475101	C 1062	79
21	260925081475201	C 472A	80
22	260941081324201	C 974	80
21	260948081483301	C 524	81
21	261002081483701	C 525	82
21	261003081475801	C 123	83
21	261018081484101	C 526	84
23	261000080520001	C 54	85
24	261023081470701	C 161	85
63	261024081463801	C 1051	86
21	261024081480102	C 409	86
21	261024081480101	C 409A	87
21	261048081484801	C 527	87
25	261103081474902	C 1000	88
25	261114081482301	C 474A	88
25	261114081482302	C 474	89
25	261117081480101	C 491	89
25	261116081480303	C 1001	90
26	261124081470101	C 392	90
26	261124081470301	C 391	91
64	261127081461001	C 1054	91
27	261146081460701	C 430	92
28	261200081483001	C 528	93
28	261156081475801	C 516	94
29	261200081204901	C 986	94
65	261211081441301	C 1055	95
28	261233081480201	C 506A	95
28	261233081480202	C 1026	96
30	261241081465401	C 1002	96
66	261311081480101	C 1061	97
31	261243081480301	C 490	97
31	261438081481001	C 575	98
31	261302081473901	C 489	98
32	261343081384801	C 980	99
32	261343081384802	C 956	99
31	261346081480201	C 515	100
33	261347081351201	C 953	100
33	261347081351202	C 951	101
33	261347081351701	C 948	101
67	261401081461401	C 458	102
34	261405081465501	C 460	102
35	261417081305402	C 598	103
36	261435081472501	C 321	103
36	261436081480301	C 1003	104
37	261444081284901	C 988	104
68	261457081460901	C 1056	105
69	261459081480401	C 1060	105
38	261508081484902	C 999	106
38	261524081480401	C 424	107
39	261530081412001	C 997	108
70	261537081461201	C 1057	108
70	261537081461202	C 1058	109
71	261604081480901	C 1059	109
40	261620081450201	C 998	110
40	261620081450701	C 384	111
41	261620081464401	C 1004	112
39	261621081412302	C 303	112
42	261630081360001	C 304	113
43	261721081351301	C 970	113
43	261721081351303	C 971	114
44	261733081285501	C 984	114
44	261733081285502	C 989	115
44	261733081285503	C 985	115
45	261740081235401	C 684	116
45	261740081235402	C 689	117
45	261740081235403	C 1073	118
45	261741081235401	C 503	119
46	261802081354801	C 688	120
77	261805081473301	C 1082	121
77	261805081473302	C 1083	122
72	261823081171901	C 1071	122
72	261823081171902	C 1072	123
47	262121081355501	C 978	123
47	262121081355502	C 963	124
47	262121081355503	C 979	124
48	262136081204201	C 966	125
48	262136081204202	C 965	125
49	262158081283401	C 981	126
49	262158081283402	C 983	126
49	262158081283403	C 982	127
49	262158081283404	C 1079	127
50	262223081361901	C 492	128
73	262228081361902	C 1080	128
51	262505081245301	C 258	129
52	262507081235201	C 298	130
74	262519081162102	C 1074	131
53	262521081161901	C 131	131
54	262554081283801	C 687	132
55	262555081242501	C 363	133
75	262558081270501	C 1078	134
56	262724081260701	C 462	134
76	262822081213201	C 1075	135
76	262822081213202	C 1076	135
76	262822081213203	C 1077	136
57	262859081273001	C 531	136
57	262859081273002	C 532	137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EXPLANATION
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WELL AND INDEX NUMBER
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MILES

Figure 5. Location of wells in Collier County.

COLLIER COUNTY

WELL NUMBER.--254858081231601. Local Number C 38.

LOCATION.--Lat 25°48'50", long 81°21'47", in sec.36, T.53 S., R.29 E., Hydrologic Unit 03090204, 110 ft southeast of Hamilton Fish Company, 0.25 mi west of Chokoloskee Post Office and 3 mi south of Everglades City on State Road 29.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 5 in., depth 484 ft, cased to 436 ft, open hole 436 to 484 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 10.00 ft above National Geodetic Vertical Datum of 1929 from topographic map. Measuring point: Top of 6 in. gate valve, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well used for public supply.

PERIOD OF RECORD.--1949 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft NGVD, Aug. 16, 1949, Oct. 25, 1983; lowest measured, 32.5 ft NGVD, Jan. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1125	39.20	25...	1230	38.20
25...	1300	40.30	MAY		
NOV			31...	1200	37.20
30...	1045	40.20	JUN		
DEC			26...	1050	38.00
30...	0950	40.60	JUL		
JAN			25...	1230	38.40
27...	1105	39.50	AUG		
FEB			30...	1130	38.20
23...	1105	37.60			
MAR					
28...	1005	37.20			

WELL NUMBER.--255430081221001. Local Number C 311.

LOCATION.--Lat 25°54'38", long 81°21'54", in NW¼SE¼ sec.25, T.52 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of U.S. Highway 41, 3 mi south of Copeland and 4 mi west of Ochopee. Owner: Collier Corp..

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 450 ft, cased to 430 ft, open hole 430 to 450 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 4.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. "Tee", 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1959 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41 9 ft NGVD, Mar. 31, 1988; lowest measured, 31.9 ft NGVD, Aug. 29, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1100	35.[illegible]0	[illegible]5	1[illegible]10	[illegible]
25...	1230	38.[illegible]	MAY		
NOV			31...	1145	37.70
30...	1025	37.70	JUN		
DEC			26...	1035	37.70
30...	0930	40.00	JUL		
JAN			25...	1145	38.90
27...	1050	41.30	AUG		
FEB			30...	1145	37.40
23...	1050	37.10			
MAR					
28...	0950	36.00			

COLLIER COUNTY

WELL NUMBER.--255700081274501. Local Number C 269.

LOCATION.--Lat 25°56'26", long 81°28'12", in NW¼SW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, south of U.S. Highway 41 at Weavers Station, 7 mi west of the junction of U.S. Highway 41 and State Road 29. Owner: L.G. Norris.

AQUIFER.--Mid Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 392 ft, cased to 300 ft, open hole 300 to 392 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of 4 in. coupling, 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1951 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft NGVD, Sept. 6, 1974; lowest measured, 20.4 ft NGVD, Aug. 26, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1200	32.80	25...	1320	28.70
25...	1355	30.10	MAY		
NOV			31...	1120	32.60
30...	1115	31.80	JUN		
DEC			26...	1025	34.80
30...	1020	33.90	JUL		
JAN			25...	1210	34.10
27...	1150	34.10	AUG		
FEB			30...	1100	33.70
23...	1155	31.60			
MAR					
28...	1041	33.50			

WELL NUMBER.--255637081281401. Local Number C 1065.

LOCATION.--Lat 25°56'37", long 81°28'14", in SW¼NW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft northwest of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Highway 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 41. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 50 ft, cased to 27 ft, 23 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.05 ft NGVD, Oct. 5, 1989; lowest measured, 0.60 ft below NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1155	5.05	25...	1300	-0.22
25...	1330	1.13	MAY		
NOV			31...	1125	-0.6
30...	1110	1.25	JUN		
DEC			27...	1000	0.89
30...	1015	0.69	JUL		
JAN			25...	1200	1.49
27...	1130	0.34	AUG		
FEB			30...	1105	1.35
23...	1145	0.04			
MAR					
28...	1035	0.01			

COLLIER COUNTY

WELL NUMBER.--255637081281402. Local Number C 1066.

LOCATION.--Lat 25°56'37", long 81°28'14", in SW¼NW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft northwest of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Highway 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 41. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 180 ft, cased to 102 ft, 78 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.82 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.80 ft NGVD, Oct. 21, 1986; lowest measured, 0.87 ft below NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1155	1.08	25...	1300	-0.46
25...	1330	0.56	MAY		
NOV			31...	1130	-0.87
30...	1110	0.85	JUN		
DEC			27...	1000	0.58
30...	1015	0.28	JUL		
JAN			25...	1200	1.08
27...	1145	-0.02	AUG		
FEB			30...	1105	0.97
23...	1150	-0.34			
MAR					
28...	1035	-0.27			

WELL NUMBER.--255703081213801. Local Number C 995.

LOCATION.--Lat 25°57'03", long 81°21'38", in SE¼SE¼ sec.12, T.52 S., R.29 E., Hydrologic Unit 03090204, in Department of Natural Resources pump house, 200 ft east of James Scenic Drive and 0.4 mi north of Copeland. Owner: Department of Natural Resources.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 37 ft, cased to 28 ft, open hole 28 to 37 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.72 ft NGVD, July 30, 1985; lowest measured, 1.23 ft NGVD, May 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1220	4.57	19...	1225	1.79
25...	1410	2.85	25...	1345	1.65
NOV			MAY		
30...	1130	2.72	31...	1100	1.58
DEC			JUN		
30...	1035	2.32	26...	1005	2.83
JAN			JUL		
27...	1205	2.06	25...	1135	4.62
FEB			AUG		
23...	1210	1.81	29...	1040	5.17
MAR					
28...	1100	1.97			

COLLIER COUNTY

WELL NUMBER.--255748081181801. Local Number C 495.

LOCATION.--Lat 25°57'53", long 81°18'43", in NE¼NE¼ sec.9, T.52 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of County Highway 837, 50 ft west of State Highway 84, 2.6 mi east of State Highway 29, and 4.4 mi north of Ochopee. Owner: U.S. Geolgocial Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 70 ft, cased to 8 ft, open hole 8 to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1971 to September 1984 (daily), October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.34 ft NGVD, Sept. 4, 1983; lowest measured, 0.98 ft NGVD, June 14, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1050	5.92	19...	1215	2.53
25...	1215	4.40	25...	1150	2.42
NOV			MAY		
30...	1015	4.57	31...	1220	2.83
DEC			JUN		
30...	0920	4.04	26...	1110	2.92
JAN			JUL		
27...	1040	3.50	25...	1250	6.16
FEB			AUG		
23...	1035	2.90	30...	1155	6.45
MAR					
28...	0935	3.01			

WELL NUMBER.--260111081243901. Local Number C 496.

LOCATION.--Lat 26°00'23", long 81°24'39", in NE¼NE¼ sec.28, T.51 S., R.29 E., Hydrologic Unit 03090204, east of James Scenic Drive, 7.1 mi northwest of Copeland and 6.4 mi northwest of fire lookout tower. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59.5 ft, cased to 8 ft, open hole 8 to 59.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.82 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982 land-surface datum was considered to be 13.59 ft above NGVD. Measuring point: Top of recorder shelf, 1.03 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Water levels estimated Feb. 14-23, June 18 - July 25, Aug. 14-31, Sept. 11-30, 1989 water year.

PERIOD OF RECORD.--January 1971 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to October 1, 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.83 ft NGVD, July 23, and Aug. 19, 1982; lowest, 1.61 ft NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.09	7.01	6.51	5.65	4.39	3.61	2.88	2.81	2.12	4.45	5.65	6.48
10	7.03	6.87	6.34	5.39	4.17	3.64	2.74	2.60	1.97	4.60	5.88	6.26
15	6.93	6.78	6.25	5.12	4.00	3.48	2.71	2.43	1.84	5.10	5.45	6.85
20	6.87	6.71	6.01	4.91	4.09	3.35	2.87	2.62	1.90	4.75	5.90	6.55
25	6.83	6.68	6.16	5.01	3.82	3.19	2.81	2.53	2.15	5.30	5.90	6.75
EOM	6.74	6.66	5.90	4.63	3.73	3.05	2.73	2.25	2.70	5.89	6.37	6.50
MEAN	6.93	6.78	6.26	5.22	4.10	3.43	2.79	2.57	2.06	4.82	5.71	6.55
MAX	7.11	7.01	6.58	5.85	4.59	3.72	3.00	2.83	2.70	5.89	6.37	6.95
MIN	6.74	6.66	5.90	4.63	3.73	3.05	2.63	2.25	1.75	3.40	5.30	6.22

WTR YR 1989 MEAN 4.78 MAX 7.11 OCT 1 AND OTHERS MIN 1.75 JUN 18

COLLIER COUNTY

WELL NUMBER.--260137081375901. Local Number C 1063.

LOCATION.--Lat 26°01'37", long 81°37'59", in NE¼SW¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast on Hamilton Road to end and 50 ft northwest of Hamilton Road, 4.95 mi southeast on U.S. Highway 41 from State Highway 951, 9.0 mi southeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 55 ft, cased to 30 ft, 25 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft NGVD, Sept. 28, 1987; lowest measured, 0.36 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1310	4.45	25...	1115	2.72
25...	1040	2.98	JUN		
NOV			01...	1320	2.03
29...	1125	2.40	27...	1430	3.40
DEC			29...	1430	3.40
27...	1240	1.92	JUL		
JAN			26...	1145	4.27
24...	1240	1.68	AUG		
FEB			28...	1235	4.97
22...	1240	1.02			
MAR					
29...	1210	2.09			

WELL NUMBER NUMBER.--260137081375902. Local Number C 1064.

LOCATION.--Lat 26°01'37", long 81°37'59", in NE¼SW¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast on Hamilton Road to end and 50 ft northwest of Hamilton Road, 4.95 mi southeast on U.S. Highway 41 from State Highway 951, 9.0 mi southeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 120 ft, cased to 84 ft, 36 ft of open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.99 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.43 ft NGVD, Aug. 19, 1989; lowest, 0.85 ft NGVD, Mar. 6, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.29	3.25	2.20	1.76	1.29	.86	2.35	2.61	2.42	4.03	4.55	4.99
10	3.83	2.84	2.05	1.65	1.14	1.34	2.17	2.87	2.44	4.12	4.99	5.18
15	3.46	2.56	2.05	1.57	1.05	1.07	2.02	2.65	2.33	4.14	4.39	5.12
20	3.35	2.46	1.93	1.50	.94	2.15	2.97	2.41	2.58	3.87	5.40	4.71
25	3.01	2.83	1.92	1.68	.86	2.12	2.80	2.23	3.05	4.43	5.23	5.06
EOM	2.75	2.38	1.87	1.40	.91	2.50	2.87	2.08	3.41	4.61	5.16	4.48
MEAN	3.49	2.74	2.04	1.64	1.09	1.65	2.50	2.50	2.62	4.13	4.95	4.96
MAX	4.45	3.25	2.34	1.85	1.38	2.50	2.97	2.87	3.46	4.66	5.43	5.39
MIN	2.75	2.38	1.87	1.40	.86	.85	2.00	2.07	2.01	3.65	4.30	4.48

WTR YR 1989 MEAN 2.87 MAX 5.43 AUG 19 MIN .85 MAR 6

COLLIER COUNTY

WELL NUMBER.--260238081401401. Local Number C 969.

LOCATION.--Lat 26°02'38", long 81°40'14", in SW¼SW¼ sec.12, T.51 S., R.26 E., Hydrologic Unit 03090204, 300 ft south of U.S. Highway 41, 2 mi south of County Highway 951 and 11.5 mi southeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 72 ft, cased to 25 ft, open hole 25 to 72 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.09 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 24 - Dec. 26, May 27-31, 1989 water year.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level 6.00 ft NGVD, July 23, 1985; lowest, 0.19 ft NGVD, Feb. 25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.66	2.70	1.37	.87	.93	.64	1.44	1.40	1.16	3.02	3.68	4.20
10	2.80	2.47	1.28	.80	.80	.78	1.29	1.57	1.35	2.74	4.21	4.48
15	2.41	1.78	1.11	1.01	.83	.95	1.20	1.48	1.65	3.39	3.51	4.58
20	2.32	1.96	.82	.98	.33	1.27	1.66	1.29	1.74	3.01	4.71	3.72
25	2.05	2.10	1.10	1.09	.19	1.32	1.55	1.15	1.93	3.50	4.47	3.64
EOM	1.86	1.35	.96	1.04	.60	1.43	1.50	1.08	2.40	3.45	4.36	3.32
MEAN	2.60	2.07	1.19	.97	.70	1.01	1.43	1.34	1.61	3.17	4.04	4.02
MAX	3.78	2.70	1.68	1.10	1.03	1.43	1.66	1.57	2.41	3.54	4.71	4.75
MIN	1.86	1.35	.82	.80	.19	.60	1.17	1.08	1.03	2.74	3.37	3.01

WTR YR 1989 MEAN 2.02 MAX 4.75 SEP 12 AND OTHERS MIN .19 FEB 25

WELL NUMBER.--260247081412201. Local Number C 1081.

LOCATION.--Lat 26°02'47", long 81°41'22", in SE¼NE¼ sec.10, T.51 S., R.26 E., Hydrologic Unit 03090204, 100 ft south of Manatee Road, 0.65 mi east of County Highway 951 and 1.1 mi south of U.S. Highway 41. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, unused well, diameter 8 in., depth 80 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface is 4.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Feb. 23 - Mar. 31, 1989 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.74 ft NGVD, Aug. 19, 1989; lowest, 0.45 ft NGVD, Mar. 6, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.06	2.17	1.09	.84	.76	.50	.94	.90	.77	2.44	3.08	3.95
10	2.28	1.78	1.14	.80	.61	.81	.81	1.09	.76	1.94	3.91	4.50
15	1.96	1.51	1.00	.77	.60	.60	.79	.91	1.15	2.83	2.79	4.03
20	1.87	1.50	.92	.75	.53	1.05	1.19	.80	1.15	2.25	4.44	3.32
25	1.76	1.66	.96	.84	.50	.95	1.02	.66	1.36	3.01	3.88	2.98
EOM	1.54	1.25	.84	.80	.68	1.00	1.10	.66	1.91	2.79	4.20	2.46
MEAN	2.10	1.67	1.01	.80	.63	.83	.98	.84	1.11	2.56	3.58	3.64
MAX	3.24	2.17	1.19	.92	.80	1.15	1.19	1.09	1.94	3.85	4.74	4.70
MIN	1.54	1.25	.83	.73	.50	.45	.78	.59	.66	1.94	2.61	2.46

WTR YR 1989 MEAN 1.65 MAX 4.74 AUG 19 MIN .45 MAR 6

COLLIER COUNTY

WELL NUMBER.--260304081391401. Local Number C 975.

LOCATION.--Lat 26°03'04", long 81°39'14", in SW¼SW¼ sec.6, T.50 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of Greenway Road, 1.15 mi north of U.S. Highway 41 and 11 mi southeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 60 ft, open hole 60 to 150 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.19 ft NGVD, July 26, 1989; lowest measured, 2.35 ft NGVD, Mar. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1200	6.12	29...	1110	3.06
25...	0940	4.91	APR		
NOV			24...	1030	3.32
29...	1055	4.24	JUN		
DEC			01...	1245	5.56
27...	1330	6.03	29...	1445	7.60
JAN			JUL		
24...	1145	5.90	26...	1215	8.19
FEB			AUG		
22...	1200	4.86	28...	1140	5.84

WELL NUMBER.--260309081272601. Local Number C 987.

LOCATION.--Lat 26°03'09", long 81°27'26", in SW¼SW¼ sec.6, T.51 S., R.29 E., Hydrologic Unit 03090204, 35 ft north of James Scenic Drive, 35 ft east of canal and 9.5 mi northwest of Copeland. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 370 ft, cased to 280 ft, open hole 280 to 370 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 9.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.3 ft NGVD, Oct. 5, 1988; lowest measured 37.1 ft NGVD, June 25, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1305	47.30	25...	1435	38.50
25...	1500	39.10	MAY		
NOV			31...	1020	37.80
30...	1225	39.60	JUN		
DEC			26...	0940	38.60
30...	1115	41.80	JUL		
JAN			25...	1050	37.90
27...	1300	41.50	AUG		
FEB			30...	1005	40.10
23...	1250	38.70			
MAR					
28...	1235	38.90			

COLLIER COUNTY

WELL NUMBER.--260314081323101. Local Number C 1067.

LOCATION.--Lat 26°03'14", long 81°32'31", in NE¼SE¼ sec.6, T.51 S., R.28 E., Hydrologic Unit 03090204, 25 ft south of Stewart Boulevard and 25 ft east of Everglades Boulevard, 6.3 mi south of Alligator Alley (State Highway 84) on Everglades. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 65 ft, cased to 30 ft, 35 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.27 ft NGVD, Sept. 2, 1988; lowest measured, 1.26 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1220	4.90	19...	1250	1.90
25...	1515	3.66	25...	1450	1.92
NOV			MAY		
30...	1240	2.99	31...	1010	1.26
DEC			JUN		
30...	1120	2.62	26...	0905	1.39
JAN			JUL		
26...	1400	2.69	25...	1035	3.67
FEB			AUG		
23...	1300	2.04	30...	0955	4.84
MAR					
28...	1245	2.27			

WELL NUMBER.--260314081323102. Local Number C 1068.

LOCATION.--Lat 26°03'14", long 81°32'31", in NE¼SE¼ sec.6, T.51 S., R.28 E., Hydrologic Unit 03090204, 25 ft south of Stewart Boulevard and 25 ft east of Everglades Boulevard, 6.3 mi south of Alligator Alley (SR 84) on Everglades Boulevard. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 200 ft cased to 120 ft, 80 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.49 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.26 ft NGVD, Sept. 2, 1988; lowest measured, 1.39 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
25...	1515	3.75	25...	1445	2.07
NOV			MAY		
30...	1240	3.23	31...	1010	1.39
DEC			JUN		
30...	1125	2.78	26...	0910	1.51
JAN			JUL		
26...	1400	2.56	25...	1035	3.66
FEB			AUG		
23...	1300	2.16	30...	0955	4.87
MAR					
28...	1245	2.37			

COLLIER COUNTY

WELL NUMBER.--260334081391601. Local Number C 968.

LOCATION.--Lat 26°03'34", long 81°39'16", in SE¼NE¼ sec.1, T.51 S., R.26 E., Hydrologic Unit 03090204, west of Greenway Road, 1.75 mi north of U.S. Highway 41 and 11 mi southeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 8 ft, open hole 8 to 23 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 25 - Nov. 3, Nov. 25 - Dec. 4, Jan. 5-23, June 1 - July 26, Aug. 22 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.62 ft NGVD, July 23, 1985; lowest, 2.00 ft NGVD June 2, 1989 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.20	5.79	4.80	3.75	3.48	2.91	2.81	2.92	2.20	3.15	4.80	5.90
10	6.72	5.40	4.66	3.65	3.38	2.99	2.61	3.34	2.35	2.70	4.54	6.05
15	6.41	5.22	4.48	3.81	3.32	2.85	2.45	3.13	2.65	4.40	4.89	6.00
20	6.43	5.07	4.14	3.45	3.20	3.84	3.62	2.53	2.80	4.00	4.89	5.20
25	6.26	5.10	4.18	3.69	2.97	3.06	3.14	2.30	2.95	3.90	5.40	5.35
EOM	6.08	4.88	4.04	3.84	2.97	3.62	3.11	2.11	3.30	4.54	5.55	5.75
MEAN	6.58	5.35	4.43	3.68	3.32	3.22	2.95	2.78	2.60	3.88	4.88	5.71
MAX	7.40	6.07	4.92	3.90	3.66	4.24	3.62	3.37	3.40	4.99	5.55	6.25
MIN	5.08	4.88	4.04	3.30	2.96	2.85	2.43	2.11	2.00	2.65	4.24	4.55

WTR YR 1989 MEAN 4.12 MAX 7.40 OCT 1 MIN 2.00 JUN 2

WELL NUMBER.--260448081411601. Local Number C 446.

LOCATION.--Lat 26°04'48", long 81°41'16", in NW¼NE¼ sec.34, T.50 S., R.26 E., Hydrologic Unit 03090204, 30 ft west of State Road 951, 1.25 mi north of U.S. Highway 41 and 7 mi southeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5.5 in., depth 24 ft, cased to 8 ft, open hole 8 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1975 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.93 ft NGVD, July 29, 1985; lowest measured, 1.28 ft below NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 04...	1120	4.63	MAR 29...	1015	-0.31
25...	0900	3.82	APR 25...	0930	-0.52
NOV 29...	1010	3.23	JUN 01...	1200	-1.28
DEC 27...	1110	2.48	29...	1325	0.0
JAN 24...	1100	1.09	JUL 26...	0940	1.98
FEB 22...	1110	-0.43	AUG 28...	1050	2.99

COLLIER COUNTY

WELL NUMBER.--260540081430601. Local Number C 967.

LOCATION.--Lat 26°05'40", long 81°43'06", in NW¼NW¼ sec.28, T.50 S., R.26 E., Hydrologic Unit 03090204, behind Lely High School, 0.7 mi east of U.S. Highway 41 and 6.5 mi southwest of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 140 ft, cased to 19 ft, open hole 19 to 140 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 21-25, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.63 ft NGVD, July 25, 1985; lowest, 0.12 ft below NGVD, June 21, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.27	2.96	2.07	1.45	1.24	.38	.32	.76	.03	2.61	3.37	5.06
10	2.71	2.46	1.99	1.41	1.16	.59	.16	.58	-0.05	2.59	3.94	5.13
15	2.49	2.15	2.00	1.31	.89	.40	-0.05	.34	.05	2.52	4.35	4.85
20	2.26	2.21	1.81	1.11	.67	.62	1.37	.10	-0.05	2.25	4.74	4.51
25	2.04	2.27	1.55	1.42	.57	.43	1.06	-0.11	.16	2.60	4.75	4.52
EOM	1.80	2.18	1.48	1.33	.46	.57	.93	-0.04	1.19	3.08	4.81	4.24
MEAN	2.50	2.32	1.85	1.36	.91	.49	.63	.33	.11	2.52	4.22	4.72
MAX	3.48	2.99	2.17	1.54	1.28	.63	1.37	.93	1.19	3.08	4.84	5.15
MIN	1.80	1.70	1.45	1.11	.46	.36	-0.08	-0.14	-0.12	1.85	3.10	4.22

WTR YR 1989 MEAN 1.84 MAX 5.15 SEP 6 AND OTHERS MIN -0.14 MAY 26

WELL NUMBER.--260549081441901. Local Number C 600.

LOCATION.--Lat 26°05'49", long 81°44'19", in NW¼SE¼ sec. 19, T.50 S., R.26 E., Hydrologic Unit 03090204, at northeast corner of the intersection of Saint Andrews Boulevard and U.S. Highway 41, 4.2 mi northwest of Belle Meade and 5.0 mi southeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 52 ft, cased to 48 ft, slotted 48 to 52 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 500.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.50 ft NGVD, Aug. 7, 1982; lowest, 1.10 ft NGVD, Apr. 22-23, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.20	3.77	2.56	2.50	2.08	1.63	1.43	2.41	1.93	3.96	4.03	5.14
10	3.09	3.20	2.50	2.14	1.80	1.95	1.37	2.30	1.67	3.83	4.04	5.67
15	2.89	2.95	2.48	2.26	1.70	1.90	1.25	2.16	1.66	3.48	4.11	4.79
20	2.89	3.14	2.41	2.09	1.68	1.62	2.62	2.03	1.80	3.31	4.12	4.15
25	2.70	3.01	2.34	2.23	1.67	1.54	2.19	1.79	2.31	3.71	4.44	4.13
EOM	2.63	2.81	2.37	1.98	1.65	1.63	2.43	1.66	2.75	4.00	4.36	3.60
MEAN	3.00	3.14	2.48	2.24	1.77	1.74	1.87	2.08	1.96	3.64	4.11	4.60
MAX	3.78	3.86	2.79	2.56	2.08	2.24	2.65	2.45	2.76	4.01	4.52	5.67
MIN	2.63	2.59	2.33	1.98	1.65	1.42	1.24	1.66	1.61	3.23	3.74	3.60

WTR YR 1989 MEAN 2.73 MAX 5.67 SEP 10 MIN 1.24 APR 16

COLLIER COUNTY

WELL NUMBER.--260632081324702. Local Number C 690.

LOCATION.--Lat 26°06'29", long 81°32'35", in NE¼NE¼ sec.19, T.50 S., R.28 E., Hydrologic Unit 03090204, 30 ft southeast of the intersection of 70th Street and Everglades Boulevard, 3.1 mi south of State Highway 84, 8.5 mi northeast of Royal Palm Hammock and 15.7 mi east of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 48 ft, cased to 43 ft, screened 43 to 48 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.82 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 501. Water levels estimated Oct. 6 - Dec. 10, Dec. 15-24, Dec. 31 - Jan. 6, Jan. 8-13, Jan. 19 - Feb. 28, Mar. 9-23, Apr. 21-26, 1989 water year.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.07 ft NGVD, July 24, 25, 1985; lowest, 2.50 ft NGVD; June 22, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.45	5.82	4.98	4.52	4.20	3.51	3.21	3.07	2.75	4.93	5.33	8.13
10	7.31	5.60	4.89	4.45	4.11	3.53	3.17	3.01	2.71	4.76	5.2'	8.25
15	6.73	5.42	4.83	4.35	3.99	3.45	3.18	3.00	2.59	5.30	5.25	8.41
20	6.85	5.27	4.76	4.28	3.88	3.36	3.22	2.97	2.51	5.26	6.32	7.97
25	6.49	5.25	4.70	4.55	3.71	3.31	3.26	2.93	2.71	5.06	6.37	8.22
EOM	5.90	5.10	4.60	4.23	3.59	3.27	3.12	2.85	3.54	5.36	8.03	7.59
MEAN	6.89	5.46	4.82	4.42	3.99	3.42	3.21	2.99	2.74	5.02	5.86	8.10
MAX	7.51	5.83	5.08	4.58	4.24	3.56	3.35	3.11	3.54	5.46	8.03	8.41
MIN	5.90	5.10	4.60	4.23	3.59	3.27	3.12	2.85	2.50	3.76	5.18	7.59

WTR YR 1989 MEAN 4.75 MAX 8.41 SEP 15 MIN 2.50 JUN 22

WELL NUMBER.--260630081411401. Local Number C 599.

LOCATION.--Lat 26°06'30", long 81°41'14", in NE¼NE¼ sec.22, T.50 S., R.26 E., Hydrologic Unit 03090204, 30 ft west of County Highway 951, 300 ft south of County Highway 864, 4.3 mi north of Belle Meade and 7.6 mi southeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 50 ft, cased to 46 ft, screened 46 to 50 ft with .060 slot.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.71 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 381

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.05 ft NGVD, July 24, 1985; lowest, 3.16 ft NGVD, June 11-12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.13	6.94	5.95	5.19	4.71	4.20	3.90	4.31	3.26	5.38	6.83	8.40
10	6.82	6.60	5.84	5.07	4.61	4.30	3.80	4.11	3.17	5.69	6.76	8.55
15	6.62	6.39	5.73	4.97	4.50	4.21	3.71	3.90	3.21	6.32	6.59	8.30
20	6.43	6.24	5.60	4.86	4.40	4.15	4.48	3.67	3.28	6.02	7.03	7.75
25	6.23	6.30	5.45	4.90	4.32	4.07	4.56	3.53	3.53	6.67	7.15	7.92
EOM	6.03	6.11	5.32	4.80	4.28	3.98	4.44	3.34	4.08	7.20	7.51	7.49
MEAN	6.61	6.39	5.70	5.00	4.52	4.17	4.11	3.87	3.35	6.09	6.88	8.05
MAX	7.20	6.94	6.09	5.31	4.78	4.31	4.59	4.43	4.08	7.20	7.51	8.92
MIN	6.03	5.94	5.32	4.80	4.28	3.98	3.68	3.34	3.16	4.27	6.46	7.46

WTR YR 1989 MEAN 5.40 MAX 8.92 SEP 8 AND OTHERS MIN 3.16 JUN 11 AND OTHERS

COLLIER COUNTY

WELL NUMBER.--260640081204301. Local Number C 296.

LOCATION.--Lat 26°06'40", long 81°20'43", in SE¼SE¼ sec.18, T.50 S., R.30 E., Hydrologic Unit 03090204, west of State Road 29, 3 mi south of State Road 84, and 10.8 mi north of Copeland. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 45 ft, cased to 8 ft, open hole 8 to 45 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.06 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1959 to October 1984 (daily), November 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Sept. 12, 1960; lowest, 6.19 ft NGVD, June 4, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1035	9.71	19...	1200	7.15
25...	1150	9.08	25...	1130	7.26
NOV			MAY		
30...	1000	9.57	31...	1230	6.91
DEC			JUN		
30...	0850	9.27	26...	1130	6.90
JAN			JUL		
27...	1025	8.85	25...	1305	10.77
FEB			AUG		
23...	1015	8.00	30...	1210	10.77
MAR					
28...	0917	7.54			

WELL NUMBER.--260813081214301. Local Number C 1069.

LOCATION.--Lat 26°08'13", long 81°21'43", in NE¼NE¼ sec.1, T.50 S., R.29 E., Hydrologic Unit 03090204, 75 ft south of Alligator Alley (SR 84), 1.0 mi west of SR 29 on Alligator Alley (SR 84), 7.9 mi Southwest of Sunnyland. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 50 ft., cased to 20 ft, 30 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.48 ft NGVD, Nov. 25, 1987; lowest measured, 7.14 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1020	11.95	25...	1115	7.80
25...	1100	11.27	MAY		
NOV			31...	1240	7.22
30...	0945	10.93	JUN		
DEC			26...	1145	7.14
30...	0845	10.61	JUL		
JAN			25...	1310	12.04
26...	1335	10.22	AUG		
FEB			30...	1225	12.52
23...	1010	9.26			
MAR					
28...	0910	8.54			

COLLIER COUNTY

WELL NUMBER.--260813081214302. Local Number C 1070.

LOCATION.--Lat 26°08'13", long 81°21'43", in NE¼NE¼ sec.1, T.50 S., R.29 E., Hydologic Unit 03090204, 75 ft south of Alligator Alley (State Highway 84), 1.0 mi west of State Highway 29 on State Highway 84, 7.9 mi southwest of Sunnyland. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of Miocene Age. Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 205 ft., cased to 100 ft., 105 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.03 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.49 ft NGVD, Nov. 25, 1987; lowest measured, 7.10 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1020	12.02	25...	1115	7.87
25...	1100	11.39	MAY		
NOV			31...	1240	7.30
30...	0945	10.97	JUN		
DEC			26...	1140	7.10
30...	0845	10.63	JUL		
JAN			25...	1315	11.97
26...	1335	10.18	AUG		
FEB			30...	1220	12.60
23...	1010	9.38			
MAR					
28...	0911	8.65			

WELL NUMBER.--260843081324201. Local Number C 973.

LOCATION.--Lat 26°08'43", long 81°32'42", in SW¼NE¼ sec.6, T.50 S., R.28 E., Hydrologic Unit 03090204, at the northwest corner of 50th Street and Everglades Boulevard, 0.5 mi south of State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 90 ft, open hole 90 to 150 ft.

INSTRUMENTATION.--Montnly measurement with chalked tape.

DATUM.--Land-surface datum is 11.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.15 ft NGVD, Sept. 25, 1985; lowest measured, 3.13 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1350	6.52	27...	0840	3.36
27...	1545	4.75	MAY		
DEC			31...	0940	3.13
01...	1040	5.49	JUN		
30...	1140	5.07	26...	0835	3.35
JAN			JUL		
26...	1435	4.58	25...	1010	6.01
FEB			AUG		
23...	1345	4.06	30...	0930	6.96
MAR					
28...	1315	3.66			

COLLIER COUNTY

WELL NUMBER.--260843081324202. Local Number C 972.

LOCATION.--Lat 26°08'43", long 81°32'42", in SW¼NE¼ sec.6, T.50 S., R.28 E., Hydrologic Unit 03090204, at the northwest corner of 50th Street and Everglades Boulevard, 0.5 mi south of State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 25 ft, open hole 25 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.90 ft NGVD, Aug. 29, 1985; lowest measured, 3.06 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1350	6.50	19...	1310	3.34
27...	1545	5.55	27...	0840	3.29
DEC			MAY		
01...	1035	6.42	31...	0940	3.06
30...	1150	5.01	JUN		
JAN			26...	0835	3.30
26...	1435	4.43	JUL		
FEB			25...	1010	5.94
23...	1345	4.00	AUG		
MAR			30...	0925	6.94
28...	1315	3.60			

WELL NUMBER.--260902081480401. Local Number C 130.

LOCATION.--Lat 26°09'01", long 81°48'25", in NW¼NE¼ sec.4, T.50 S., R.25 E., Hydrologic Unit 03090204, on the north side of 4th Avenue, 300 ft east of 1st Street, in Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 71.5 ft, cased to 69 ft, open hole 69 to 71.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1952 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft NGVD, July 29, 1985; lowest measured, 0.03 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1010	2.49	30...	0930	1.27
26...	0905	1.52	APR		
NOV			26...	0955	1.62
30...	1020	1.79	JUN		
DEC			01...	1500	1.50
28...	1330	1.84	27...	1040	2.74
JAN			JUL		
25...	1000	1.59	25...	1350	2.78
FEB			AUG		
23...	1110	1.53	29...	1055	3.30

COLLIER COUNTY

WELL NUMBER.--260908081411201. Local Number C 996.

LOCATION.--Lat 26°09'08", long 81°41'12", in NE¼NE¼ sec.3, T.50 S., R.26 E., Hydrologic Unit 03090204, 100 ft east of County Highway 951, 1.5 mi south of State Highway 84 and 7 mi east of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23.5 ft, cased to 13.5 ft, screened 13.5 to 23.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.82 ft NGVD, July 29, 1985; lowest measured, 4.24 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1420	8.29	27...	1000	5.20
27...	1700	7.14	MAY		
DEC			31...	0910	4.24
01...	1115	6.94	JUN		
28...	1420	6.25	27...	0815	4.28
JAN			JUL		
26...	1500	5.79	25...	0945	7.78
FEB			AUG		
23...	1410	5.26	29...	0915	7.91
MAR					
28...	1345	4.95			

WELL NUMBER.--260912081434201. Local Number C 175

LOCATION.--Lat 26°09'12", long 81°43'46", in SE¼SW¼ sec.32, T.49 S., R.26 E., Hydrologic Unit 03090204, 50 ft south of State Road 856, 2.5 mi west of State Road 951 and 4 mi east of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 123 ft, cased to 104 ft, open hole 104 to 123 ft.

INSTRUMENTAITON.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1979 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft NGVD, July 29, 1982; lowest measured, 3.34 ft NGVD, Feb. 27, 1984.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1100	8.08	29...	0950	4.40
24...	1140	6.66	APR		
NOV			24...	1355	4.15
29...	0950	5.72	JUN		
DEC			01...	1125	3.68
27...	1030	5.49	29...	1300	4.62
JAN			JUL		
24...	1010	5.06	25...	1730	5.61
FEB			AUG		
22...	1030	4.61	28...	0920	8.39

COLLIER COUNTY

WELL NUMBER.--260915081385901. Local Number C 976.

LOCATION.--Lat 26°09'15", long 81°38'59", in SW¼SW¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 50 ft south of State Highway 84, 0.5 mi east of mile marker 2 and 9 mi east of Naples. Owner: South Florida Water Management District.

AQUFIER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 10 ft, open hole 10 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.11 ft NGVD, Aug. 1, 1985; lowest measured, 4.13 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1410	8.18	27...	0930	4.92
27...	1630	6.97	MAY		
DEC			31...	0920	4.25
01...	1100	6.83	JUN		
30...	1205	6.23	26...	0815	4.13
JAN			JUL		
26...	1450	5.80	24...	0840	7.34
FEB			AUG		
23...	1400	5.32	29...	0920	7.89
MAR					
28...	1330	5.03			

WELL NUMBER.--260915081385902. Local Number C 977.

LOCATION.--Lat 26°09'15", long 81°38'59", in SW¼SW¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 50 ft south of State Highway 84, 0.5 mi east of mile marker 2 and 9 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 140 ft, cased to 75 ft, open hole 75 to 140 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.99 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.15 ft NGVD, Sept. 2, 1988; lowest measured, 4.18 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1410	8.27	27...	0930	4.91
27...	1630	6.95	MAY		
DEC			31...	0920	4.24
01...	1100	6.76	JUN		
30...	1210	6.09	26...	0815	4.18
JAN			JUL		
26...	1450	5.73	24...	0840	7.53
FEB			AUG		
23...	1400	5.20	29...	0920	7.98
MAR					
28...	1335	4.76			

COLLIER COUNTY

WELL NUMBER.--260919081155901. Local Number C 308.

LOCATION.--Lat 26°09'19", long 81°16'00", in NE¼NE¼ sec.1, T.50 S., R.30 E., Hydrologic Unit 03090204, 50 ft north of Alligator Alley (SR 84) 200 ft west of County Rd 839, 5 mi east of SR 29. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2.5 in., depth 700 ft, cased to 587 ft, 113 ft of open hole.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 13.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1959 to February 1986 (water quality only), February 1986 to April, 1989 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.80 ft NGVD, Mar. 31, 1988; lowest measured, 48.80 ft NGVD, July 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JAN		
06...	1500	51.60	26...	1325	52.20
24...	1615	50.90	FEB		
NOV			22...	1415	51.80
29...	1350	51.00	MAR		
DEC			29...	1350	50.40
28...	1345	52.80			

WELL NUMBER.--260319081460501. Local Number C 1052.

LOCATION.--Lat 26°09'19", long 81°46'05", in SE¼SE¼ sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of SR 31 and SR 856, 1.5 mi east of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.83 ft NGVD, July 25, 1989; lowest measured, 1.96 ft NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1050	4.30	19...	1045	3.05
24...	1110	3.33	24...	1340	2.89
NOV			JUN		
29...	0930	3.21	01...	1120	2.42
DEC			29...	1240	4.14
27...	1020	2.83	JUL		
JAN			25...	1700	4.83
24...	0955	2.76	AUG		
FEB			28...	1010	4.06
22...	1020	2.26			
MAR					
29...	0940	2.05			

COLLIER COUNTY

WELL NUMBER.--260919081460502. Local Number C 1053.

LOCATION.--Lat 26°09'19", long 81°46'05", in SE¼SE¼ sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of SR 31 and SR 856, 1.5 mi east of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 125 ft, cased to 82 ft, 43 ft open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.75 ft NGVD, July 25, 1989; lowest measured, 2.01 ft NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1050	4.26	29...	0940	2.01
24...	1110	3.29	APR		
NOV			24...	1340	2.85
29...	0935	3.28	JUN		
DEC			01...	1120	2.38
27...	1020	2.80	29...	1245	4.08
JAN			JUL		
24...	0955	2.73	25...	1700	4.75
FEB			AUG		
22...	1020	2.23	28...	1010	4.03

WELL NUMBER.--260925081475101. Local Number C 1062.

LOCATION.--Lat 26°09'25", long 81°47'51" in NW¼SW¼ sec.34, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of South Golf Drive and 100 ft west of U.S. Highway 41, 2.8 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 24 ft, cased to 10 ft, 14 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.76 ft NGVD, Aug. 29, 1989; lowest measured, 4.31 ft NGVD, May 26, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1005	6.87	30...	0920	5.21
26...	0850	6.59	APR		
NOV			26...	0935	5.57
30...	1015	6.20	JUN		
DEC			01...	1455	5.06
28...	1315	5.90	27...	1015	6.07
JAN			JUL		
25...	0945	5.76	25...	1405	7.57
FEB			AUG		
23...	1100	5.46	29...	1155	7.76

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--260925081475201. Local Number C 472A.

LOCATION.--Lat 26°09'25", long 81°47'52" in NW¼SW¼ sec.34, T.49 S., R.25 E., Hydrologic Unit 03090204, south of South Golf Drive, 400 ft west of U.S. Highway 41 at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 70.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1973 to current year. Records of water levels prior to October 1983 are in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.00 ft NGVD, Aug. 29, 1989; lowest measured, 0.85 ft below NGVD, Jan. 29, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1005	2.07	30...	0925	1.81
26...	0900	1.65	APR		
NOV			26...	0945	2.30
30...	1020	3.01	JUN		
DEC			01...	1500	2.99
28...	1320	2.98	27...	1025	4.28
JAN			JUL		
25...	0950	3.06	25...	1400	4.74
FEB			AUG		
23...	1105	2.78	29...	1055	5.00

WELL NUMBER.--260941081324201. Local Number C 974.

LOCATION.--Lat 26°09'41", long 81°32'43", in SW¼NE¼ sec.31, T.49 S., R.28 E., Hydrologic Unit 03090204, 30 ft south of 38th Street, 100 ft west of Everglades Boulevard, 0.5 mi north of State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 460 ft, cased to 400 ft, open hole 400 to 460 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 10.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.3 ft NGVD, Nov. 21, 1985; lowest measured, 32.7 ft NGVD, Aug. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1400	35.50	28...	1320	32.90
27...	1600	34.00	APR		
DEC			27...	0915	33.10
01...	1050	34.50	MAY		
30...	1200	36.50	31...	0935	32.80
JAN			JUN		
26...	1445	36.60	26...	0830	33.50
FEB			AUG		
23...	1350	34.30	30...	0920	32.70

COLLIER COUNTY

WELL NUMBER.--260948081483301. Local Number C 524.

LOCATION.--Lat 26°09'43", long 81°48'33", in SE¼NW¼ sec.33, T.49 S., R.25 E., Hydrologic Unit 03090204, 5 ft north of Banyan Boulevard, 15 ft west of Gulf Shore Boulevard and 1.2 mi west of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 80 ft, cased to 63 ft, open hole 63 to 80 ft.

INSTRUMENTATION.--Monthly measurment with chalked tape.

DATUM.--Land-surface datum is 4.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.32 ft NGVD, June 27, 1983; lowest measured, 0.63 ft below NGVD, Apr. 20, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
05...	1010	1.08
26...	0910	-0.46
NOV		
15...	1010	0.40
30...	1025	0.24
DEC		
12...	1055	0.55
28...	1400	1.11
JAN		
09...	1005	0.05
25...	1005	0.58
FEB		
13...	1015	0.41
23...	1115	1.03
MAR		
13...	1025	0.94
30...	0935	0.78
APR		
13...	0930	0.46
26...	1005	0.81
MAY		
02...	1340	1.82
15...	0930	0.41
JUN		
01...	1510	1.36
12...	0915	1.09
27...	1100	2.30
JUL		
10...	1000	1.51
25...	1345	1.61
AUG		
14...	0900	3.19
29...	1100	2.83

COLLIER COUNTY

WELL NUMBER.--261002081483701. Local Number C 525.

LOCATION.--Lat 26°09'43", long 81°48'37", in SW¼NW¼ sec.33, T.49 S., R.25 E., Hydrologic Unit 03090204, in median strip on Gulf Shore Boulevard in front of Gulf Shore Country Club and 0.35 mi north of Banyan Boulevard 1.3 mi west of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 83 ft, cased to 63 ft, open hole 63 to 83 ft.

INSTRUMENTATION.--Monthly measurment with chalked tape.

DATUM.--Land-surface datum is 6.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.17 ft NGVD, Mar. 28, 1984; lowest measured, 0.78 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
05...	1015	2.05
26...	0930	0.48
NOV		
15...	1045	1.67
30...	1030	1.57
DEC		
12...	1115	1.85
28...	1250	2.60
JAN		
09...	1020	1.32
25...	1015	1.81
FEB		
13...	1025	1.56
23...	1125	2.39
MAR		
13...	1040	2.17
30...	1000	1.97
APR		
13...	0940	1.53
26...	1020	1.83
MAY		
02...	1345	2.90
15...	0940	1.45
JUN		
01...	1525	2.45
12...	0940	2.23

COLLIER COUNTY

WELL NUMBER.--261003081475801. Local Number C 123.

LOCATION.--Lat 26°10'03", long 81°47'58" in SW¼SW¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, in church parking lot on the north side of Orchid Drive, 150 ft east of U.S. Highway 41 in Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 157 ft, cased to 96.6 ft, open hole 96.6 to 157 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 0.37 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1952 to current year. Records of water levels prior to October 1983 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft NGVD, Oct. 10, 1973; lowest measured, 5.12 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1000	1.12	30	0920	0.64
26...	0840	-0.24	APR		
NOV			26...	0930	0.68
30	1010	1.68	JUN		
DEC			02...	1050	2.23
28...	1310	1.77	27...	1005	2.91
JAN			JUL		
25...	0945	2.80	25...	1410	1.96
FEB			AUG		
23.	1055	1.61	29...	1050	3.76

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261018081484101. Local Number C 526.

LOCATION.--Lat 26°10'16", long 81°48'42", in NW¼SW¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, at the southeast corner of Gulf Shore Boulevard and Mooring Line Drive, 1.3 mi northwest of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 68 ft, cased to 63 ft, open hole 63 to 68 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.39 ft NGVD, July 29, 1985; lowest measured, 0.47 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1020	2.04	13...	0955	1.22
26...	0940	0.45	26...	1040	1.64
NOV			MAY		
15...	1100	1.52	02...	1350	2.76
30...	1040	1.52	15...	0955	1.28
DEC			JUN		
12...	1120	0.75	01...	1530	2.30
28...	1255	2.47	12...	0950	1.99
JAN			27...	1130	3.14
09...	1030	1.22	JUL		
25...	1025	1.69	10...	1015	3.40
FEB			25...	1335	2.76
13...	1035	1.52	AUG		
23...	1140	2.23	14...	0905	3.35
MAR			29...	1105	3.70
13...	1050	2.04			
30...	1015	1.86			

COLLIER COUNTY

WELL NUMBER.--261000080520001. Local Number C 54.

LOCATION.--Lat 26°10'18", long 80°53'02", in SW¼SE¼ sec.36, T.49 S., R.34 E., Hydrologic Unit 03090204, on the south side of State Road 84, 0.3 mi west of Broward/Collier Line, 2.4 mi west of pump station 140 and 6.0 mi south of Big Cypress Indian Reservation. Owner: U.S. Geological Survey (corrected).

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 9 ft, cased to 8 ft, gravel-packed 8 to 9 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 2.88 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 25-28, Jan. 16-17, Feb. 15-18, 1989 water year.

PERIOD OF RECORD.--February 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.81 ft NGVD, Oct. 9, 1953; lowest, 7.81 ft NGVD, June 13, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.21	11.50	11.46	10.56	10.10	9.58	9.75	10.17	9.44	12.65	11.32	12.55
10	11.10	10.74	11.23	10.43	10.09	9.91	9.56	10.08	9.36	11.71	11.50	11.81
15	10.80	10.61	11.06	10.40	9.90	9.87	10.02	9.91	9.40	11.69	11.59	11.26
20	10.73	10.51	11.00	10.16	9.14	10.63	10.28	9.85	9.49	12.01	12.64	11.19
25	10.31	10.56	10.80	10.34	9.74	10.36	10.36	10.13	10.55	11.41	11.81	12.92
EOM	10.22	12.50	10.54	10.21	9.61	9.99	10.12	9.72	12.68	12.20	11.83	12.10
MEAN	10.84	10.77	11.12	10.39	9.82	10.08	9.99	10.03	9.92	11.97	11.97	12.00
MAX	12.21	12.50	12.49	10.59	10.17	10.69	10.52	10.34	12.68	12.70	12.70	12.92
MIN	10.22	10.22	10.54	10.15	9.11	9.58	9.52	9.72	9.29	11.30	11.15	11.02

WTR YR 1989 MEAN 10.75 MAX 12.92 SEP 24 AND OTHERS MIN 9.11 FEB 21

WELL NUMBER.--261023081470701. Local Number C 161.

LOCATION.--Lat 26°10'23", long 81°47'07", in NE¼SE¼ sec.27, T. 49 S., R.25 E., Hydrologic Unit 03090204, 160 ft south of Golden Gate Parkway, 1.0 mi northeast of Naples Post Office and 1.1 mi west of North Naples Road. Owner: Tibbitts Grove.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 165 ft, cased to 140 ft, open hole 140 to 165 ft.

INSTRUMENTAITON.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft NGVD, July 29, 1985; lowest measured, 1.86 ft below NGVD, May 13, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1040	2.05	29...	0930	0.46
24...	1050	1.87	APR		
NOV			24...	1330	1.05
29...	0925	1.82	JUN		
DEC			01...	1110	0.59
27...	1010	1.03	28...	1255	2.59
JAN			JUL		
24...	0950	0.84	25...	1655	2.38
FEB			AUG		
22...	1010	0.67	28...	0920	2.27

COLLIER COUNTY

WELL NUMBER.--261024081463801. Local Number C 1051.

LOCATION.--Lat 26°10'24", long 81°46'38", in NE¼SW¼ sec.26, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft north of Golden Gate Parkway and 0.6 mi west of Intersection of Golden Gate Parkway (CR 951) and Airport Road (CR 31), 3.2 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft,.15 ft 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.52 ft NGVD, June 28, 1989; lowest measured, 1.70 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1035	3.22	29...	0935	2.02
24...	1035	2.81	APR		
NOV			24...	1310	2.87
29...	0920	2.61	JUN		
DEC			01...	1105	2.20
27...	1000	2.91	28...	1250	5.52
JAN			JUL		
24...	0940	2.72	25...	1650	5.16
FEB			AUG		
22...	1005	2.22	28...	0915	3.65

WELL NUMBER.--261024081480102. Local Number C 409.

LOCATION.--Lat 26°10'24", long 81°48'01", in NE¼SE¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 150 ft south of Mooring Line Drive at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 1.25 in., depth 16 ft, cased to 14 ft, open hole 14 to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 3.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.71 ft NGVD, June 25, 1986; lowest measured, 1.67 ft below NGVD, Oct. 17, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0950	8.11	30...	0910	5.43
25...	1400	7.50	APR		
NOV			26...	0910	6.87
30...	1000	7.18	JUN		
DEC			02...	1045	6.39
28...	1240	6.87	29...	1630	7.74
JAN			JUL		
25...	0940	7.08	25...	1750	8.22
FEB			AUG		
23...	1050	6.60	29...	1450	8.56

COLLIER COUNTY

WELL NUMBER.--261024081480101. Local Number C 409A.

LOCATION.--Lat 26°10'25", long 81°48'01", in NE¼SE¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 150 ft South of Mooring Line Drive at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 73 ft, cased to 63 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf 3.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of nearby wells. Water levels estimated Oct. 5-24, Mar. 30 - Apr. 26, June 27 - July 25, Aug. 31 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--October 1973 to September 1984 (monthly), October 1984 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.63 ft NGVD, July 27, 1984; lowest measured, 5.30 ft below NGVD, May 7, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.48	3.47	2.50	2.02	2.50	.78	2.50	3.14	3.01	3.65	4.33	2.90
10	2.19	1.84	2.56	2.49	2.45	2.86	1.90	2.74	3.12	4.30	3.92	3.75
15	.95	2.53	2.56	2.42	.90	1.77	2.35	2.39	3.17	3.09	3.71	3.40
20	2.06	2.50	2.82	2.25	1.77	2.15	3.45	1.25	3.66	4.15	4.17	2.75
25	1.28	2.76	2.64	2.90	2.20	.54	3.30	.49	4.41	3.15	4.32	2.70
EOM	.83	2.68	2.41	2.64	2.14	2.23	3.38	2.42	4.15	4.32	3.60	1.60
MEAN	1.85	2.62	2.50	2.44	2.07	1.77	2.61	2.18	3.57	3.83	3.96	3.03
MAX	3.11	3.61	3.01	3.32	2.75	2.97	3.45	3.36	4.49	4.40	4.34	3.75
MIN	.27	1.84	2.10	1.35	.63	.53	1.70	.49	2.40	2.62	3.41	1.60

WTR YR 1989 MEAN 2.71 MAX 4.49 JUN 24 MIN .27 OCT 30

WELL NUMBER.--261048081484801. Local Number C 527.

LOCATION.--Lat 26°10'48", long 81°48'48", in NW¼NW¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Harbour Drive, 25 ft east of Gulf Shore Boulevard 1.9 mi northwest of the New Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 71.5 ft, cased to 63 ft, open hole 63 to 71.5 ft.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 5.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.48 ft NGVD, July 29, 1985; lowest measured, 0.22 ft NGVD, June 2, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1020	2.98	13...	1100	1 94
26...	0950	1.16	30...	1030	1.82
NOV			APR		
15...	1115	0.98	13...	1005	1.33
30...	1050	1.34	26...	1050	1.65
DEC			MAY		
12...	1130	1.32	15...	1000	1.75
28...	1515	2.27	JUN		
JAN			01...	1535	1.88
09...	1050	0.93	12...	1000	2.10
25...	1035	1.21	JUL		
FEB			25...	1325	2.43
13...	1045	1.60	AUG		
23...	1150	1.75	14...	0910	3.50
			29...	1100	3.95

COLLIER COUNTY

WELL NUMBER.--261103081474902. Local Number C 1000.

LOCATION.--Lat 26°11'03", long 81°47'49", in SW¼SW¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 21 ft north of Ridge Street, 0.25 mi east of U.S. Highway 41 and 2.8 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, screen 14 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.88 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.10 ft NGVD, July 29, 1985; lowest measured, 4.53 ft NGVD, Apr. 25, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 05...	1040	7.33	MAR 30...	1100	5.89
26...	1040	6.71	APR 26...	1145	6.74
NOV 30...	1115	6.47	JUN 01...	1605	5.97
DEC 28...	1755	6.37	JUL 25...	1310	4.91
JAN 25...	1115	6.71	AUG 29...	1135	9.36
FEB 23...	1225	6.00			

WELL NUMBER.--261114081482301. Local Number C 474A.

LOCATION.--Lat 26°11'14", long 81°48'23", in NW¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft south of Anchor Rode Drive, 0.3 mi west of U.S. Highway 41 and 1.1 mi west of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 72 ft, cased to 63 ft, open hole 63 to 72 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.19 ft NGVD, Oct. 10, 1973; lowest measured, 1.73 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 05...	1030	1.39	MAR 30...	1050	0.91
26...	1025	0.62	APR 26...	1120	1.29
NOV 30...	1110	0.72	JUN 01...	1550	1.50
DEC 28...	1555	1.58	27...	1155	2.07
JAN 25...	1105	1.00	JUL 25...	1245	1.54
FEB 23...	1215	1.20	AUG 29...	1125	2.72

COLLIER COUNTY

WELL NUMBER.--261114081482302. Local Number C 474.

LOCATION.--Lat 26°11'14", long 81°48'23", in NW¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft south of Anchor Rode Drive, 0.3 mi west of U.S. Highway 41 and 1.1 mi west of new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 1.25 in., depth 12.6 ft, cased to 11.1 ft, screened 11.1 to 12.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft NGVD, July 29, 1985; lowest measured, 3.23 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1030	4.65	30...	1050	4.20
26...	1015	4.23	APR		
NOV			26...	1115	4.58
30...	1110	4.54	JUN		
DEC			01...	1550	4.15
28...	1555	4.21	27...	1150	5.70
JAN			JUL		
25...	1100	4.86	25...	1250	5.67
FEB			AUG		
23...	1215	4.07	29...	1120	5.24

WELL NUMBER.--261117081480101. Local Number C 491.

LOCATION.--Lat 26°11'16", long 81°48'03", in NE¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Anchor Rode Drive, 200 ft west of U.S. Highway 41 and 1 mi west of Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 71 ft, cased to 70 ft, open hole 70 to 71 ft.

INSTRUMENTATION.--Monthly measurment with chalked tape.

DATUM.--Land-surface datum is 12.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.23 ft NGVD, Oct. 29, 1986; lowest measured, 3.51 ft below NGVD, Jan. 25, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1035	3.26	26...	1140	1.83
26...	1030	2.31	JUN		
NOV			01...	1555	9.38
30...	1110	0.73	27...	1210	5.72
DEC			JUL		
29...	1200	4.90	25...	1245	5.13
FEB			AUG		
23...	1220	-0.16	29...	1130	4.98
MAR					
30...	1055	1.14			

COLLIER COUNTY

WELL NUMBER.--261116081480303. Local Number C 1001.

LOCATION.--Lat 26°11'16", long 81°48'03", in NE¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Anchor Rode Drive, 200 ft west of U.S. Highway 41 and 1 mi west of Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, screened 14 to 24 ft.

INSTRUMENTATION.--Monthly measurment with chalked tape.

DATUM.--Land-surface datum is 12.65 ft above National Geodetic Vertical Datum of 1929 Measuring point: Top of casing, 1.81 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.28 ft NGVD, July 29, 1985; lowest measured, 8.26 ft NGVD, May 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1035	10.76	30...	1055	9.37
26...	1030	10.10	APR		
NOV			26...	1130	9.93
30...	1110	9.82	JUN		
DEC			01...	1555	9.47
28...	1600	9.59	27...	1200	11.02
JAN			JUL		
25...	1105	9.92	25..	1240	11.83
FEB			AUG		
23...	1220	9.28	29...	1130	11.88

WELL NUMBER.--261124081470101. Local Number C 392.

LOCATION.--Lat 26°11'24", long 81°47'31", in SW¼NE¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 30 ft east of State Road 851, 1.4 mi south of State Road 896, and 4.7 mi northeast of courthouse in East Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 30 ft, casing 28 ft, open hole 28 to 30 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 0.02 ft below land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estiamted, Nov. 22-30, 1989 water year.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.57 ft NGVD, July 23, 1985; lowest, 3.00 ft NGVD, May 24, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.67	6.27	5.72	5.68	5.93	5.40	5.67	5.88	6.33	7.80	8.84	8.28
10	6.44	5.96	5.77	5.60	5.81	5.91	5.52	5.75	6.08	8.28	7.91	8.74
15	6.29	5.90	5.86	5.57	5.67	5.77	5.40	5.58	6.19	7.37	7.92	8.84
20	6.22	5.85	5.85	5.50	5.57	5.59	6.53	5.80	6.68	6.92	8.37	7.81
25	6.08	5.99	5.85	6.21	5.48	5.44	6.19	5.58	7.28	8.22	8.33	7.88
EOM	5.99	5.82	5.73	6.05	5.45	5.51	6.05	5.74	7.74	8.33	7.95	7.33
MEAN	6.31	5.97	5.78	5.80	5.71	5.60	5.84	5.71	6.69	7.74	8.08	8.06
MAX	6.70	6.27	5.90	6.32	6.03	5.92	6.56	6.03	8.11	8.33	9.05	9.01
MIN	5.99	5.82	5.72	5.50	5.45	5.39	5.39	5.40	5.72	6.92	7.61	7.33

WTR YR 1989 MEAN 6.45 MAX 9.05 AUG 4 MIN 5.39 MAR 28 AND OTHERS

COLLIER COUNTY

WELL NUMBER.--261124081470301. Local Number C 391.

LOCATION.--Lat 26°11'24", long 81°47'33", in SE¼NW¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 10 ft east of North 14th Street, 1.4 mi south of State Road 896, and 4.7 mi northeast of East Naples. Owner: City of Naples.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 70 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of municipal well field.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.52 ft NGVD, Aug. 20, 1966; lowest, 7.22 ft below NGVD, Sept. 4, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.37	3.76	2.32	1.64	3.41	1.93	2.78	3.52	3.57	5.61	6.42	5.93
10	2.82	1.82	3.30	2.17	3.33	3.15	1.72	2.79	3.82	6.33	5.43	6.49
15	1.70	2.03	2.51	2.91	1.11	1.14	2.39	1.84	2.57	5.49	5.00	5.98
20	2.53	1.97	3.51	2.84	2.23	2.59	4.25	2.46	4.45	4.12	5.95	5.55
25	1.35	3.11	3.37	4.12	3.09	.16	3.91	.36	5.24	5.15	5.82	5.63
EOM	.17	2.31	3.03	2.74	1.96	2.47	3.95	2.66	6.01	5.92	5.25	5.05
MEAN	2.20	2.54	2.95	2.99	2.60	1.81	2.99	2.49	4.24	5.64	5.45	5.69
MAX	5.96	3.76	3.58	4.13	3.60	3.52	4.25	3.97	6.14	6.43	6.42	6.49
MIN	.17	.77	1.24	1.64	.50	-0.05	1.57	.32	2.57	4.12	4.79	4.66

WTR YR 1989 MEAN 3.47 MAX 6.49 SEP 10 MIN -0.05 MAR 23

WELL NUMBER.--261127081461001. Local Number C 1054.

LOCATION.--Lat 26°11'27", long 81°46'10", in SE¼NE¼ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 500 ft west SR 31 on southside of Baily Lane and 1.4 mi south of Pine Ridge Road (SR 896), 4.4 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.15 ft NGVD, June 28, 1989; lowest measured, 5.44 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1030	6.56	24...	1240	7.18
24...	1025	6.41	JUN		
NOV			01...	1100	5.44
29...	0910	6.81	28...	1200	9.15
DEC			JUL		
27...	0955	6.77	25...	1640	8.92
JAN			AUG		
24...	0935	7.25	28...	0905	7.28
FEB					
22...	1000	6.35			

COLLIER COUNTY

WELL NUMBER.--261146081460701. Local Number C 430.

LOCATION.--Lat 26°11'35", long 81°46'07", in NE¼NE¼ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 300 ft west of State Road 31 (Airport Road) and 1.1 mi south of Pine Ridge Road near Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 65 ft, cased to 63 ft, open hole 63 to 65 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, Apr. 10-19, 1989 water year.

PERIOD OF RECORD.--March 1965 to September 1984 (monthly), October 1985 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.15 ft NGVD, July 24, 1985; lowest, 1.57 ft NGVD, May 2, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.15	4.81	4.05	3.91	4.07	2.45	3.02	3.96	4.06	7.14	7.00	6.72
10	5.09	3.87	4.05	4.17	4.16	3.21	3.10	3.33	3.79	7.18	6.10	7.18
15	3.64	4.30	4.11	3.90	3.62	2.37	3.15	3.29	3.85	6.08	6.04	7.12
20	4.35	4.05	4.18	4.20	3.46	2.95	4.75	3.53	4.61	5.63	6.39	6.28
25	4.01	4.45	4.15	4.77	3.38	2.04	4.65	2.30	5.40	6.65	6.11	6.45
EOM	3.96	4.40	4.04	4.16	3.19	2.89	4.75	3.29	6.38	6.65	6.12	6.05
MEAN	4.41	4.14	4.05	4.21	3.77	2.97	3.72	3.38	4.57	6.62	6.16	6.56
MAX	5.35	4.81	4.45	5.18	4.20	4.24	4.80	4.79	6.67	7.33	7.00	7.18
MIN	3.36	2.77	3.28	3.72	3.19	2.04	2.63	2.29	3.09	5.63	5.64	5.98

WTR YR 1989 MEAN 4.55 MAX 7.33 JUL 9 MIN 2.04 MAR 25

COLLIER COUNTY

WELL NUMBER.--261200081483001. Local Number C 528.

LOCATION.--Lat 26°11'55", long 81°48'30", in SE¼SW¼ sec.16, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft east and 15 ft north of the intersection of Crayton Road and Turtle Hatch Road and 2.25 mi northwest of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 80 ft, cased to 63 ft, open hole 63 to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, well flowing above 4.39 ft NGVD, July 29, 1985; lowest measured, 1.91 ft below NGVD, Oct. 14, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
05...	1025	2.03
26...	1005	0.50
NOV		
15...	1130	1.31
30...	1105	1.32
DEC		
12...	1145	1.60
28...	1530	1.89
JAN		
09...	1100	1.02
25...	1050	1.70
FEB		
13...	1055	1.28
23...	1200	1.52
MAR		
13...	1120	1.56
30...	1045	1.21
APR		
13...	1020	0.44
26...	1100	1.24
MAY		
15...	1015	0.75
JUN		
01...	1545	1.81
12...	1010	0.26
JUL		
10...	1045	3.40
25...	1320	3.09
AUG		
14...	0915	2.06
29...	1115	3.17

COLLIER COUNTY

WELL NUMBER.--261156081475801. Local Number C 516.

LOCATION.--Lat 26°11'56", long 81°47'58", in SW¼SW¼ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Morning Side Drive, 300 ft east of U.S. Highway 41 at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation artesian well, diameter 2 in., depth 63 ft, cased to 46 ft, open hole 46 to 63 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.79 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1973 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.05 ft NGVD, July 29, 1985; lowest measured, 3.91 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1045	3.80	30...	1105	2.10
26...	1055	2.78	APR		
NOV			26...	1215	3.05
30...	1120	3.12	JUN		
DEC			01...	1610	2.62
28...	1700	2.87	27...	1325	3.08
JAN			JUL		
25...	1120	3.66	25...	1230	3.78
FEB			AUG		
23...	1240	3.48	29...	1140	6.40

WELL NUMBER.--261200081204901. Local Number C 986.

LOCATION.--Lat 26°12'00", long 81°20'49", in SE¼SE¼ sec.16, T.49 S., R.30 E., Hydrologic Unit 03090204, 30 ft south of Fakahatchee Conservancy Club Road, west of State Highway 29, 3.4 mi north of State Highway 84 and 15.5 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 28 ft, open hole 28 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.74 ft NGVD, Nov. 25, 1987; lowest measured, 8.16 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1015	11.09	19...	1155	8.71
25...	0900	10.89	25...	1100	8.62
NOV			MAY		
30...	0930	10.99	31...	1250	8.31
DEC			JUN		
30...	0830	11.04	26...	1155	8.16
JAN			JUL		
27...	1015	10.47	25...	1325	12.51
FEB			AUG		
23...	1000	9.72	30...	1235	12.60
MAR					
28...	0900	9.23			

COLLIER COUNTY

WELL NUMBER.--261211081441301. Local Number C 1055.

LOCATION.--Lat 26°12'11", long 81°44'13", in NE¼NE¼ sec.18, T.49 S., R.26 E., Hydrologic Unit 03090204, 200 ft west of I-75 and 50 ft south of Pine Ridge Road (SR 896), 6 mi northeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.87 ft NGVD, Aug. 29, 1988; lowest measured, 4.75 ft NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1000	6.79	29...	1330	4.75
25...	1130	5.89	APR		
NOV			25...	1255	6.03
30...	0800	5.77	JUN		
DEC			01...	1625	4.90
28...	1010	5.23	29...	1710	6.14
JAN			JUL		
24...	1415	5.18	25...	1545	6.94
FEB			AUG		
23...	0910	4.92	29...	0900	6.67

WELL NUMBER.--261233081480201. Local Number C 506A.

LOCATION.--Lat 26°12'33", long 81°48'02" in NW¼NW¼ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 60 ft east of U.S. Highway 41, 0.15 mi south of Pine Ridge Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 70.7 ft, cased to 62.5 ft, open hole 62.5 to 70.7 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 16.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 3.95 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated July 25 - Aug. 29, 1989 water year.

PERIOD OF RECORD.--September 1973 to September 1984 (monthly), October 1984 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.00 ft NGVD, Oct. 13, 1987; lowest measured, 1.30 ft below NGVD, May 13, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.53	4.50	3.73	3.05	3.73	2.98	3.59	3.96	3.66	5.85	6.60	6.56
10	4.80	2.99	3.71	3.22	3.96	4.28	2.61	2.88	4.02	6.52	6.05	6.91
15	3.45	3.70	4.13	3.79	3.01	2.83	2.53	3.06	4.03	5.32	6.25	7.20
20	3.24	3.49	4.03	3.57	3.03	2.61	4.70	2.89	4.91	5.08	6.50	6.34
25	3.04	4.02	4.06	4.31	3.65	2.31	4.30	2.30	5.55	5.89	6.15	6.71
EOM	3.22	4.11	3.05	3.68	2.88	2.70	4.01	3.65	6.25	6.30	6.07	6.36
MEAN	3.66	3.77	3.78	3.70	3.42	2.96	3.41	3.02	4.60	5.99	6.16	6.72
MAX	4.80	4.50	4.26	4.62	4.10	4.28	4.88	4.13	6.25	6.62	6.80	7.35
MIN	2.45	2.06	3.02	2.89	2.88	2.22	2.30	2.23	3.34	5.08	5.19	6.23

WTR YR 1989 MEAN 4.27 MAX 7.35 SEP 16 AND OTHERS MIN 2.06 NOV 9

COLLIER COUNTY

WELL NUMBER.--261233081480202. Local Number C 1026.

LOCATION.--Lat 26°12'33", long 81°48'02", in NW¼NW¼ sec.26, T.49 S., R.25 E., Hydrologic Unit 03090204, 60 ft east of US 41, and 0.15 mi south intersection of Pine Ridge Rd and US 41. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 38 ft, cased to 28 ft with 10 ft of No. 20 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.28 ft NGVD, Aug. 25, Sept. 23, 1986; lowest measured, 11.47 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1105	13.89	30...	1120	11.60
26...	1125	13.29	JUN		
NOV			02...	1115	11.47
30...	1155	12.72	27...	1435	12.93
DEC			JUL		
28...	1720	12.23	25...	1200	13.84
JAN			AUG		
25...	1140	12.43	29...	1205	14.58
FEB					
23...	1310	11.78			

WELL NUMBER.--261241081465401. Local Number C 1002.

LOCATION.--Lat 26°12'41", long 81°46'54", in SW¼SW¼ sec.11, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft west of Shirley Street, 100 ft north of Pine Road and 3.9 mi northeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 54 ft, cased to 45 ft, open hole 45 to 54 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.18 ft NGVD, July 29, 1985; lowest measured, 0.22 ft below NGVD, Apr. 22, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1010	4.53	29...	1340	0.97
25...	1155	2.39	APR		
NOV			25...	1310	3.86
30...	0815	2.60	JUN		
DEC			02...	0845	1.98
28...	1020	2.41	27...	1830	6.02
JAN			JUL		
25...	0805	3.42	25...	1155	4.29
FEB			AUG		
23...	0920	2.01	29...	0915	5.95

COLLIER COUNTY

WELL NUMBER.--261311081480101. Local Number C 1061.

LOCATION.--Lat 26°13'11", long 81°48'01", in SW¼NW¼ sce.10, T.49 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Center Street and 200 ft east of U.S. Highway 41, 6.6 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM-Land-surface datum is 14.88 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.62 ft NGVD, Oct. 30, 1986; lowest measured, 11.02 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1110	12.81	30...	1125	11.34
26...	1140	12.38	APR		
NOV			26...	1250	11.67
30...	1200	12.07	JUN		
DEC			02...	1120	11.02
28...	1730	11.81	27...	1440	13.59
JAN			JUL		
25...	1150	12.15	25...	1105	12.64
FEB			AUG		
23...	1315	11.39	29...	1220	12.91

WELL NUMBER.--261243081480301. Local Number C 490.

LOCATION.--Lat 26°13'13", long 81°48'03", in SW¼NW¼ sec 10, T.49 S., R.25 E., Hydrologic Unit 03090204, 1.5 ft west of Trail Boulevard, 10 ft north of Center Street, 100 ft east of U.S. Highway 41 and northwest of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 71 ft, cased to 70 ft, open hole 70 to 71 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.08 ft NGVD, Nov. 28, 1983; lowest measured, 1.58 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1110	4.18	30...	1125	1.21
26...	1210	2.64	APR		
NOV			26...	1300	2.49
30...	1200	2.38	JUN		
DEC			02...	1125	2.64
28...	1735	3.08	29...	1500	6.17
JAN			JUL		
25...	1150	4.06	25...	1100	5.39
FEB			AUG		
23...	1315	3.26	29...	1220	6.16

WELL NUMBER.--261438081481001. Local Number C 575.

LOCATION.--Lat 26°13'17", long 81°48'05", in SE¼NE¼ sec.9, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 0.75 mi north of Pine Ridge Road and 7 mi north of Naples. Owner: Pelican Bay Improvement District.

AQUIFER.--Lower Hawthorn Aquifer of the Oligocene Age, Geologic Unit 123 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 652 ft, cased to 352 ft, open hole 352 to 652 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 16.61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. plug, 1.07 ft below land-surface datum (revision).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1979 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft NGVD, Sept. 27, 1982; lowest measured, 24.7 ft NGVD, Apr. 22, 1985 and June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1120	27.00	30...	1135	25.80
26...	1140	26.20	APR		
NOV			26...	1245	25.50
30...	1210	25.90	JUN		
DEC			02...	1135	24.70
28...	1745	25.80	27...	1515	25.70
JAN			JUL		
25...	1200	26.00	25...	1110	25.40
FEB			AUG		
23...	1330	25.70	29...	1230	26.90

WELL NUMBER.--261302081473901. Local Number C 489.

LOCATION.--Lat 26°13'30", long 81°47'33", in NW¼SE¼ sec.10, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft west of Ridge Road, 300 ft north of North Street at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 83 ft, cased to 63 ft, open hole 63 to 83 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.46 ft above land-surface datum.

PERIOD OF RECORD.--May 1970 to October 1986 (daily), November 1986 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.20 ft NGVD, Sept. 24, 1970; lowest, 4.47 ft below NGVD, Apr. 30, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1125	2.91	13...	1135	0.55
26...	1230	0.37	30...	1145	0.11
NOV			APR		
15...	0920	-0.9	13...	1030	-0.76
30...	1215	-0.16	26...	1325	-0.15
DEC			MAY		
12...	1230	1.58	15...	1040	-0.58
28...	1755	0.22	JUN		
JAN			02...	1140	0.20
09...	1120	0.14	12...	1030	0.09
25...	1210	1.76	JUL		
FEB			28...	1525	6.15
13...	1115	0.13	AUG		
23...	1330	1.03	14...	0925	3.77
			29...	1240	4.73

COLLIER COUNTY

WELL NUMBER.--261343081384801. Local Number C 980.

LOCATION.--Lat 26°13'43", long 81°38'50", in SE¼SW¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Boulevard and 19th Street SW, 2.5 mi east of County Highway 951 and 10.5 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 30 ft, cased to 15 ft, open hole 15 to 30 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.62 ft NGVD, Aug. 1, 1985; lowest measured, 4.57 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1430	8.21	31...	1415	5.07
26...	1215	7.34	APR		
NOV			24...	1610	5.25
29...	1435	6.97	JUN		
DEC			01...	1435	4.57
27...	1430	6.52	27...	1410	4.97
JAN			JUL		
24...	1430	6.07	25...	1040	9.35
FEB			AUG		
22...	1420	5.09	29...	1400	8.17

WELL NUMBER.--261343081384802. Local Number C 956.

LOCATION.--Lat 26°13'43", long 81°38'50", in SE¼SW¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Boulevard and 19th Street SW, 2.5 mi east of County Highway 951 and 10.5 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUFIER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 260 ft, cased to 60 ft, open hole 60 to 260 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.05 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.22 ft NGVD, Aug. 29, 1985; lowest measured, 2.89 ft NGVD, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1445	6.97	31...	1430	2.95
26...	1200	4.95	APR		
NOV			24...	1545	3.25
29...	1440	4.73	JUN		
DEC			01...	1430	3.37
27...	1430	3.84	27...	1410	3.52
JAN			JUL		
24...	1430	4.02	25...	1040	7.33
FEB			AUG		
22...	1420	2.89	29...	1350	7.27

COLLIER COUNTY

WELL NUMBER.--261346081480201. Local Number C 515.

LOCATION.--Lat 26°13'46", long 81°48'02", in NW¼SW¼ sec.3, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft north of Cajeput Drive, 80 ft east of Trail Boulevard at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 2 in., depth 71 ft, cased to 63 ft, open hole 63 to 71 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1973 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.24 ft NGVD, July 28, 1985; lowest measured, 0.69 ft NGVD, Mar. 4, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1115	4.89	30...	1130	2.64
26...	1215	3.23	30...	1130	2.64
NOV			APR		
30...	1205	3.02	26...	1310	2.81
DEC			JUN		
28...	1750	3.46	02...	1130	2.92
JAN			27...	1535	5.98
25...	1155	4.14	JUL		
FEB			25...	1110	5.30
23...	1320	3.46	AUG		
			29...	1225	6.02

WELL NUMBER.--261347081351201. Local Number C 953.

LOCATION.--Lat 26°13'47", long 81°35'12", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of 10th Street SE and Golden Gate Boulevard, 2.3 mi west of Everglades Boulevard and 2.6 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 6 in., depth 40 ft, cased to 12 ft, open hole 12 to 40 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 4-25, July 22-25, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.20 ft NGVD, Sept. 1, 1985; lowest, 4.69 ft NGVD, June 18, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.54	7.36	6.91	6.41	5.90	5.42	4.93	5.07	4.81	7.76	8.01	8.81
10	7.40	7.19	6.82	6.31	5.82	5.38	4.87	5.10	4.77	8.67	7.64	9.00
15	7.18	7.13	6.75	6.19	5.73	5.31	5.07	5.09	4.72	8.08	7.56	8.50
20	7.26	7.05	6.60	6.10	5.60	5.24	5.24	4.98	4.72	7.78	7.42	8.25
25	7.14	7.03	6.54	6.07	5.53	5.14	5.24	4.90	4.74	8.00	7.63	8.55
EOM	7.05	6.99	6.46	6.01	5.49	5.03	5.17	4.81	5.67	7.95	7.68	8.35
MEAN	7.30	7.12	6.71	6.21	5.73	5.28	5.07	5.01	4.84	7.89	7.68	8.56
MAX	7.61	7.36	6.98	6.44	6.00	5.47	5.26	5.16	5.67	8.72	8.08	9.07
MIN	7.05	6.98	6.46	6.01	5.49	5.03	4.84	4.81	4.69	5.90	7.42	7.98

WTR YR 1989 MEAN 6.46 MAX 9.07 SEP 11 MIN 4.69 JUN 18

COLLIER COUNTY

WELL NUMBER.--261347081351202. Local Number C 951.

LOCATION.--Lat 26°13'47", long 81°35'12", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of 10th Street SE and Golden Gate Boulevard, 2.3 mi west of Everglades Boulevard and 2.6 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 170 ft, cased to 120 ft, open hole 120 to 170 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.92 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 26 - July 25, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.21 ft NGVD, Sept. 6, 1985; lowest, 2.66 ft NGVD, Mar. 28-29, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.61	6.31	5.15	3.96	3.70	3.38	3.29	3.61	3.72	7.15	8.03	9.09
10	6.49	5.80	4.62	3.68	4.08	3.91	2.69	3.33	3.62	8.80	7.63	9.23
15	6.34	5.29	4.67	3.73	3.45	3.15	3.07	3.22	3.57	8.40	7.51	8.75
20	5.84	5.26	4.38	3.68	3.00	3.29	3.64	3.60	3.86	7.90	7.50	8.23
25	5.91	5.62	4.27	4.25	3.45	2.86	3.43	3.62	4.00	8.25	7.39	8.26
EOM	5.84	5.33	4.05	3.73	3.14	3.08	3.50	3.73	4.92	8.29	7.82	7.88
MEAN	6.36	5.53	4.56	3.89	3.45	3.23	3.23	3.53	3.90	7.92	7.65	8.68
MAX	7.61	6.31	5.15	4.65	4.08	4.06	4.17	4.37	5.21	8.85	8.18	9.36
MIN	5.22	5.12	4.04	3.59	2.96	2.66	2.69	3.09	3.46	5.31	7.22	7.88

WTR YR 1989 MEAN 5.17 MAX 9.36 SEP 11 MIN 2.66 MAR 28 AND OTHERS

WELL NUMBER.--261347081351701. Local Number C 948.

LOCATION.--Lat 26°13'47", long 81°35'17", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of canal, 50 ft south of Golden Gate Boulevard, 2.4 mi west of Everglades Parkway and 2.5 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 420 ft, cased to 370 ft, open hole 370 to 420 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surfae datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of gate valve at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.6 ft NGVD, Nov. 25, 1987, Jan. 28, 1988; lowest measured 34.4 ft NGVD, Aug. 28, Sept. 30, 1986, Sept. 25, 1987, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1400	35.80	31...	1345	34.60
26...	1230	36.00	APR		
NOV			24...	1530	34.50
29...	1430	35.60	JUN		
DEC			01...	1415	36.20
27...	1415	34.80	27...	1345	35.80
JAN			JUL		
24...	1420	34.80	25...	1050	34.80
FEB			AUG		
22...	1415	34.40	29...	1330	35.00

COLLIER COUNTY

WELL NUMBER.--261401081461401. Local Number C 458.

LOCATION.--Lat 26°14'01", long 81°46'14", in NE¼SE¼ sec.3, T.49 S., R.26 E., Hydrologic Unit 03090204, 0.50 mi east of the intersection of Garica Road and Gordonia Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 63 ft cased to 63 ft open end.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well replaces C-459 which was destroyed.

PERIOD OF RECORD.--October 1971 to October 1983 (semi-annual), June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.53 ft NGVD, Oct. 22, 1971; lowest measured, 3.14 ft below NGVD, May 12, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0840	4.35	29...	1345	-0.85
25...	1215	2.19	APR		
NOV			25...	1330	0.98
30...	0830	1.31	JUN		
DEC			02...	0850	0.22
28...	1100	0.89	27...	18[illegible]0	2.93
JAN			JUL		
25...	0835	1.26	25...	1100	3.36
FEB			AUG		
23...	0945	0.04	29...	0920	4.65

WELL NUMBER.--261405081465501. Local Number C 460.

LOCATION.--Lat 26°14'05", long 81°47'05" in NW¼SW¼ sec.2, T.49 S., R.25 E., Hydrologic Unit 03090204, 0.35 mi east of the intersection of Carica Road and Gordonia Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 66 ft, cased to 64 ft, open hole 64 to 66 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 27 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--August 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.54 ft NGVD, Sept. 12, 1985; lowest, 1.32 ft below NGVD, May 1, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.85	3.78	1.97	1.52	1.10	1.07	1.30	1.50	2.40	4.05	5.90	6.35
10	5.31	2.32	2.00	1.18	1.31	1.68	.55	.80	2.72	4.80	5.85	6.70
15	4.51	2.26	1.90	1.15	.99	.86	.50	1.05	2.62	4.60	5.95	7.05
20	3.90	2.24	2.11	1.23	.83	.63	2.05	1.22	2.57	4.90	6.30	6.15
25	3.36	2.40	1.92	1.59	.50	.25	1.75	1.50	2.59	5.25	5.95	6.75
EOM	2.73	2.35	1.53	1.62	.48	.97	1.65	2.02	4.10	5.50	5.73	6.10
MEAN	4.37	2.56	1.95	1.41	1.03	.88	1.16	1.32	2.75	4.78	5.84	6.55
MAX	5.94	3.78	2.45	2.15	1.69	1.69	2.20	2.02	4.10	5.55	6.30	7.20
MIN	2.73	2.05	1.53	.91	.48	.18	.13	.65	2.04	3.90	5.20	6.00

WTR YR 1989 MEAN 2.89 MAX 7.20 SEP 17 MIN .13 APR 2

COLLIER COUNTY

WELL NUMBER.--261417081305402. Local Number C 598.

LOCATION.--Lat 26°14'16", long 81°30'54", in NE¼SE¼ sec.4, T.49 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Desoto Boulevard and NE 4th Avenue, 5.8 mi north of State Highway 84 and 18.6 mi east of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 36.5 ft, cased to 32.5 ft, screened 32.5 to 36.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 13.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.18 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 502. Water levels estimated Aug. 13-29, 1989 water year.

PERIOD OF RECORD.--September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.48 ft NGVD, Sept. 2, 1983; lowest, 5.78 ft NGVD, June 25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.27	11.19	9.83	8.71	8.06	7.40	6.85	6.27	5.89	7.25	12.06	13.20
10	11.77	10.81	9.50	8.54	7.93	7.35	6.76	6.16	5.88	8.64	11.90	12.74
15	11.36	10.62	9.33	8.48	7.79	7.30	6.98	6.05	5.84	8.97	12.05	12.37
20	11.03	10.32	9.14	8.42	7.69	7.20	6.73	5.96	5.81	10.74	12.20	12.16
25	10.81	10.15	9.04	8.22	7.52	7.09	6.49	5.89	5.78	11.92	12.25	12.87
EOM	10.30	10.02	8.88	8.16	7.38	6.96	6.39	5.83	6.24	11.59	12.76	12.29
MEAN	11.34	10.53	9.35	8.47	7.81	7.25	6.73	6.05	5.87	9.56	12.06	12.83
MAX	12.43	11.19	9.98	8.86	8.14	7.42	6.98	6.36	6.24	11.92	12.76	13.71
MIN	10.28	10.02	8.88	8.16	7.38	6.96	6.39	5.83	5.78	6.32	11.54	12.16

WTR YR 1989 MEAN 9.00 MAX 13.71 SEP 6 MIN 5.78 JUN 25

WELL NUMBER.--261435081472501. Local Number C 321.

LOCATION.--Lat 26°14'35", long 81°47'25", in SW¼SE¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 1 ft south of concrete power pole, 25 ft east of Hickory Road, 900 ft south of Carica Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 1.25 in., depth 20.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.62 ft NGVD, Oct. 22, 1971; lowest measured, 2.63 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1125	6.54	30...	1150	2.63
26...	1245	5.55	APR		
NOV			26...	1340	3.44
30...	1225	4.70	JUN		
DEC			02...	1150	2.80
28...	1805	4.04	27...	1550	3.65
JAN			JUL		
25...	1220	3.71	25...	1455	4.75
FEB			AUG		
23...	1350	3.04	29...	1245	5.74

COLLIER COUNTY

WELL NUMBER.--261436081480301. Local Number C 1003.

LOCATION.--Lat 26°14'36", long 81°48'03", in SW¼SW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, at the southeast corner of Sand Pine and Trail Boulevard, 300 ft east of U.S. Highway 41 and 5.5 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 61 ft, cased to 51 ft, open hole 51 to 61 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.14 ft NGVD, July 29, 1985; lowest measured, 1.73 ft NGVD, Apr. 24, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1135	5.72	30...	1210	2.23
26...	1310	3.70	APR		
NOV			26...	1400	2.02
30...	1235	3.59	JUN		
DEC			02...	1155	3.48
28...	1815	3.43	26...	1715	5.56
JAN			JUL		
25...	1230	2.70	25...	1050	5.35
FEB			AUG		
23...	1355	2.58	29...	1250	5.91

WELL NUMBER.--261444081284901. Local Number C 988.

LOCATION.--Lat 26°14'44", long 81°28'49", in NE¼NE¼ sec.2, T.49 S., R.28 E., Hydrologic Unit 03090204, 100 ft west of farm road, 3.6 mi south of intersection of County Highway 858 and Oil Well Road and 12.7 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled observation, artesian well, diameter 4 in., depth 160 ft, cased to 95 ft, open hole 95 to 160 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 15.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 26 - Nov. 28, Dec. 15 - Jan. 23, Jan. 29 - Feb. 1, Feb. 15-21, July 26-29, Sept. 13-30, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.53 ft NGVD, Aug. 21, 1986; lowest, 3.87 ft NGVD, Apr. 3, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.61	10.80	8.56	7.30	5.92	4.95	4.21	5.82	8.78	11.92	14.52	14.94
10	12.29	10.40	9.26	6.70	5.69	5.73	4.11	6.83	8.76	12.17	14.46	14.65
15	11.73	8.85	8.30	6.65	5.50	5.09	6.42	7.58	8.88	12.55	14.47	14.10
20	11.06	9.70	7.80	6.50	5.55	4.81	6.98	8.32	9.00	14.18	14.52	13.60
25	10.79	9.55	7.53	6.47	4.52	4.40	5.67	8.56	9.33	14.50	14.27	14.65
EOM	10.23	9.33	7.55	6.50	4.74	4.12	7.47	8.70	10.26	14.47	14.48	14.00
MEAN	11.73	9.90	8.28	6.77	5.58	5.14	5.40	7.54	9.05	13.05	14.44	14.28
MAX	13.61	11.60	9.33	7.35	6.20	7.91	7.47	8.70	10.26	14.65	14.53	14.94
MIN	9.74	8.85	7.30	6.38	4.52	4.12	3.87	5.82	8.68	10.54	14.21	13.40

WTR YR 1989 MEAN 9.29 MAX 14.94 SEP 4 AND OTHERS MIN 3.87 APR 3

COLLIER COUNTY

WELL NUMBER.--261457081460901. Local Number C 1056.

LOCATION.--Lat 26°14'57", long 81°46'09", in NE¼SE¼ sec.2, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft west on northside of Orange Blossom Drive from SR 31, 7.5 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 8 ft, 17 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.86 ft NGVD, Sept. 28, 1987; lowest measured, 7.56 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0945	8.63	29...	0855	7.64
24...	0945	8.21	APR		
NOV			24...	1150	8.70
29...	0840	7.97	JUN		
DEC			01...	1035	7.66
27...	0925	8.29	28...	1150	9.23
JAN			JUL		
24...	0905	8.29	25...	1635	9.00
FEB			AUG		
22...	0900	8.00	28...	0845	8.74

WELL NUMBER.--261459081480401. Local Number C 1060.

LOCATION.--Lat 26°14'59", long 81°48'04", in NW¼SW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Hickory Road and 200 ft east of U.S. Highway 41, 8.4 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.41 ft NGVD, Sept. 29, 1987; lowest measured, 4.81 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1130	8.92	26...	1355	5.36
26...	1255	8.05	JUN		
NOV			02...	1155	4.81
30...	1230	7.10	26...	1655	6.30
DEC			JUL		
28...	1810	6.47	24...	1700	6.69
JAN			AUG		
25...	1225	5.96	29...	1215	7.66
FEB					
23...	1355	5.19			

COLLIER COUNTY

WELL NUMBER.261508081484902. Local Number C 999.

LOCATION.--Lat 26°15'08", long 81°48'49", in SW¼NW¼ sec.33, T.48 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of Vanderbilt Beach Road, 0.85 mi west of U.S. Highway 41 and 6.5 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23 ft cased to 13 ft, screened 13 to 23 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.96 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.07 ft NGVD, July 29, 1985; lowest measured, 1.56 ft NGVD, July 28, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1140	3.87	30...	1215	3.41
26...	1325	1.75	APR		
NOV			26...	1415	3.79
30...	1240	1.98	JUN		
DEC			02...	1205	3.48
28...	1820	2.76	26...	1505	4.21
JAN			JUL		
25 ..	1235	2.50	24...	1645	4.19
FEB			AUG		
23...	1400	2.53	29...	1300	4.89

COLLIER COUNTY

WELL NUMBER.--261524081480401. Local Number C 424.

LOCATION.--Lat 26°15'24", long 81°48'04", in NW¼NW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft east of the intersection of 94th Avenue and U.S. Highway 41, 6 mi north of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 132 ft, cased to 126 ft, open hole 126 to 132 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1965 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.78 ft NGVD, Oct. 22, 1971; lowest measured, 4.46 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1145	3.81	13...	1050	-4.46
26...	1335	0.75	26...	1425	-2.72
NOV			MAY		
15...	1545	0.75	02...	1415	-0.3
30...	1250	0.39	15...	1040	1.34
DEC			JUN		
12...	1300	1.56	02...	1210	2.51
29...	1240	-0.18	12...	1050	2.81
JAN			27...	1515	4.81
09...	1140	-0.64	JUL		
25...	1245	-1.93	10...	1110	5.64
FEB			25...	1035	4.51
13...	1120	-3.40	AUG		
23...	1405	-2.76	14...	0930	3.02
MAR			29...	1300	4.83
13...	1155	-2.11			
30...	1225	-2.47			

COLLIER COUNTY

WELL NUMBER.--261530081412001. Local Number C 997.

LOCATION.--Lat 26°15'30", long 81°41'20", in SE¼SE¼ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 75 ft east of County Highway 951, 1.0 mi south of County Highway 846 and 9.5 mi northeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 22 ft, cased to 12 ft, screened 12 to 22 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replaces well C 383.

PERIOD OF RECORD.--March 1985 to September 1985 (monthly), October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.72 ft NGVD, Aug. 20, 1986; lowest measured, 5.53 ft NGVD, June 18, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.45	8.77	7.91	7.29	6.99	6.41	6.14	6.17	5.74	7.59	10.49	10.84
10	10.19	8.56	7.75	7.21	6.91	6.48	6.06	6.07	5.67	8.50	10.21	12.27
15	9.60	8.36	7.71	7.14	6.78	6.37	6.04	6.02	5.56	8.30	10.67	11.40
20	9.80	8.18	7.60	7.05	6.68	6.29	6.23	5.96	5.99	9.16	10.15	10.91
25	9.48	8.17	7.46	7.22	6.57	6.19	6.31	5.84	6.39	9.67	10.37	10.59
EOM	8.80	8.06	7.36	7.03	6.46	6.11	6.26	5.75	6.75	10.64	11.18	10.29
MEAN	9.79	8.40	7.67	7.18	6.79	6.33	6.16	5.99	5.94	8.82	10.51	11.13
MAX	10.45	8.77	8.04	7.35	7.02	6.49	6.31	6.26	6.75	10.80	11.18	12.27
MIN	8.80	8.06	7.36	7.03	6.46	6.11	6.01	5.75	5.53	6.83	10.06	10.29

WTR YR 1989 MEAN 7.90 MAX 12.27 SEP 10 MIN 5.53 JUN 18

WELL NUMBER.--261537081461201. Local Number C 1057.

LOCATION.--Lat 26°15'37", long 81°46'12", in SE¼SE¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft south of Huntington Drive and 100 ft west of State Highway 31, 9.1 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 10.5 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft NGVD, Aug. 29, 1988; lowest measured, 4.82 ft NGVD, Nov. 29, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0930	6.93	29...	0850	5.82
24...	0915	5.45	APR		
NOV			24...	1130	6.74
29...	0830	4.82	JUN		
DEC			01...	1030	6.13
27...	0925	5.67	28...	1150	7.00
JAN			JUL		
24...	0855	6.05	25...	1630	6.78
FEB			AUG		
22...	0855	5.92	28...	0840	6.85

WELL NUMBER.--261537081461202. Local Number C 1058.

LOCATION.--Lat 26°15'37", long 81°46'12", in SE¼SE¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft south of Huntington Drive and 100 ft west of State Highway 31, 9.1 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 80 ft, cased to 62 ft, 18 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.21 ft NGVD, July 27, 1987; lowest measured, 5.78 ft below NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0930	4.10	29...	0850	-5.78
24...	0920	-4.28	APR		
NOV			24...	1130	-0.29
29...	0835	-1.65	JUN		
DEC			01...	1030	1.04
27...	0920	-3.62	28...	1145	4.86
JAN			JUL		
24...	0900	-1.90	25...	1625	4.16
FEB			AUG		
22...	0855	-3.46	28...	0845	2.63

WELL NUMBER.--261604081480901. Local Number C 1059.

LOCATION.--Lat 26°16'04", long 81°48'09", in SW¼NE¼ sec.28, T.48 S., R.25 E., Hydrologic Unit 03090204, 20 ft behind Fire House on 106th Avenue and 300 ft west of US 41, 9.7 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 25 ft., cased to 10 ft., 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft NGVD, Oct. 31, 1986; lowest measured, 4.41 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1200	6.39	30...	1245	5.24
26...	1345	5.48	APR		
NOV			26...	1435	5.11
30...	1300	4.93	JUN		
DEC			02...	1215	4.41
29...	1140	4.45	27...	1615	5.98
JAN			JUL		
25...	1250	4.68	25...	1030	5.87
FEB			AUG		
23...	1415	4.74	29...	1305	7.07

COLLIER COUNTY

WELL NUMBER.--261620081450201. Local Number C 998.

LOCATION.--Lat 26°16'20", long 81°45'02", in SE¼SW¼ sec.19, T.48 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 0.75 mi west of I-75 and 8.5 mi northeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 62 ft, cased to 52 ft, screened 52 to 62 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.09 ft NGVD, July 29, 1985; lowest measured, 4.68 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0900	3.62	13...	0815	-4.68
24...	0820	-2.75	24...	1015	-0.96
NOV			MAY		
15...	1515	-3.97	15...	0815	-0.2
29...	0750	-0.44	JUN		
DEC			01...	0950	-0.34
12...	1010	-1.60	12...	0815	2.03
27...	0815	-2.95	28...	1135	3.87
JAN			JUL		
09...	1155	-4.33	10...	0830	7.00
24...	0810	-2.25	25...	1550	5.22
FEB			AUG		
13...	0925	-4.54	14...	0800	2.20
22...	0815	-3.37	28...	0815	4.05
MAR					
13...	0925	-2.96			
29...	0800	-3.94			

COLLIER COUNTY

WELL NUMBER.--261620081450701. Local Number C 384.

LOCATION.--Lat 26°16'20", long 81°45'05", in NW¼NE¼ sec.30, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft south of State Road 846, 3.1 mi from U.S. Highway 41, and 10 mi northeast of courthouse in East Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5.75 in., depth 57.7 ft, cased to 9.7 ft, open hole 9.7 to 57.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.38 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1963 to September 1984 (daily), October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.92 ft NGVD, Sept. 3, 1983; lowest measured, 4.93 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0915	7.76	29...	0800	5.01
24...	0830	6.99	APR		
NOV			24...	1025	5.22
29...	0758	6.37	JUN		
DEC			01...	1000	4.93
27...	0830	5.74	28...	1120	5.64
JAN			JUL		
24...	0825	5.60	25...	1605	6.96
FEB			AUG		
22...	0820	5.23	28...	0820	7.31

COLLIER COUNTY

WELL NUMBER.--261620081464401. Local Number C 1004.

LOCATION.--Lat 26°16'20", long 81°46'44", in SE¼SW¼ sec.23, T.48 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Palm River Boulevard, 15 ft north of Cocohatchee River, 150 ft north of County Highway 846 and 7.8 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 60 ft, cased to 52 ft, open hole 52 to 60 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replaces well C 353. Water levels estimated Nov. 16-29, 1989 water year.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.76 ft NGVD, July 27, 1985; lowest, 4.58 ft below NGVD, Apr. 30, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.98	1.45	-2.36	-2.35	-3.46	-0.78	1.48	-1.26	2.53	5.77	4.38	5.68
10	1.31	-1.97	-1.98	-3.03	-4.06	1.92	-3.16	-1.30	2.78	6.14	3.75	6.15
15	-0.34	-1.91	-2.10	-2.79	-4.00	-2.45	-0.62	1.04	2.34	5.81	2.43	4.59
20	-1.52	-1.92	-1.93	-2.18	-3.33	-2.69	2.59	.64	3.88	4.23	4.45	2.12
25	-1.72	-0.54	-2.23	-2.64	-4.19	-3.04	-0.92	1.19	4.38	4.78	4.60	5.56
EOM	-2.05	-1.26	-2.42	-1.68	-3.07	-1.18	1.13	3.17	5.19	5.05	4.25	2.90
MEAN	-0.02	-0.86	-1.96	-2.27	-3.39	-1.27	-0.88	.66	3.25	5.37	3.83	4.49
MAX	4.14	1.45	.21	1.22	-1.34	2.87	2.59	3.18	5.19	6.46	5.30	6.15
MIN	-2.35	-2.54	-2.49	-3.25	-4.19	-3.72	-3.96	-1.55	1.97	4.23	2.20	1.93

WTR YR 1989 MEAN .60 MAX 6.46 JUL 11 MIN -4.19 FEB 25

WELL NUMBER.--261621081412302. Local Number C 303.

LOCATION.--Lat 26°16'21", long 81°41'23", in NE¼NE¼ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft west and 15 ft south of the intersection of State Road 951 and State Road 846, 9 mi northeast of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in., depth 300 ft, cased to 232 ft, open hole 232 to 300 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.41 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.84 ft NGVD, Aug. 26, 1981; lowest measured, 0.76 ft NGVD, Jan. 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1500	7.56	27...	1100	2.87
27...	1750	3.77	MAY		
DEC			31...	0835	3.41
01...	1220	3.22	JUN		
28...	1455	1.20	27...	0845	5.01
JAN			JUL		
26...	1535	0.76	25...	0855	7.83
FEB			AUG		
23...	1445	0.88	29...	0830	8.10
MAR					
28...	1410	1.17			

COLLIER COUNTY

WELL NUMBER.--261630081360001. Local Number C 304.

LOCATION.--Lat 26°16'35", long 81°36'13", in NW¼NE¼ sec.27, T.48 S., R.27 E., Hydrologic Unit 03090204, 20 ft south of State Road 846, 0.25 mi west of Randall Blvd. and 12 mi northeast of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 130 ft, cased to 125 ft, open hole 125 to 130 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.56 ft NGVD, Sept. 27, 1984; lowest measured, 3.39 ft NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0945	11.24	31...	0940	3.39
25...	1000	6.33	APR		
NOV			24...	0900	3.91
29...	0945	5.82	JUN		
DEC			01...	1000	5.22
27...	1000	4.44	27...	0915	5.99
JAN			JUL		
24...	0950	5.34	25...	1310	9.72
FEB			AUG		
22...	0945	3.89	29...	0950	9.52

WELL NUMBER.--261721081351301. Local Number C 970.

LOCATION.--Lat 26°17'21", long 81°35'13", in NE¼NW¼sec.23, T.48 S., R.27 E., Hydrologic Unit 03090204, 1,000 ft south of County Highway 856, 0.5 mi east of County Highway 846 and 16 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 43 ft, cased to 20 ft, open hole 20 to 43 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to September 1987 (daily), October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.60 ft NGVD, June 29, 30, 1987; lowest measured, 8.04 ft June 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			OCT		
03...	1145	9.38	25...	1345	8.55

COLLIER COUNTY

WELL NUMBER.--261721081351303. Local Number C 971.

LOCATION.--Lat 26°17'21", long 81°35'13", in SW¼NW¼ sec.25, T.48 S., R.26 E., Hydrologic Unit 03090204, 1,000 ft south of County Highway 858, 0.5 mi east of County Highway 846 and 16 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 100 ft, open hole 100 to 150.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.76 ft NGVD, Aug. 26, 1986; lowest measured, 3.34 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1145	9.25	31...	1200	3.56
25...	1330	7.14	APR		
NOV			24...	1220	3.34
29...	1200	8.09	JUN		
DEC			01...	1200	8.64
27...	1150	4.61	27...	1145	10.00
JAN			JUL		
24...	1200	7.90	25...	1310	12.73
FEB			AUG		
22...	1145	6.59	29...	1145	12.74

WELL NUMBER.--261733081285501. Local Number C 984.

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 30 ft, open hole 30 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.86 ft NGVD, Nov. 25, 1987; lowest measured, 14.04 ft NGVD, May 28, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1200	16.80	19...	1415	16.02
25...	1430	16.75	24...	1320	16.26
NOV			MAY		
29...	1200	18.34	02...	1150	16.67
DEC			JUN		
27...	1230	17.41	01...	1220	15.05
JAN			27...	1200	18.60
24...	1245	17.40	JUL		
FEB			25...	1300	18.59
22...	1205	16.07	AUG		
MAR			29...	1200	18.20
31...	1215	14.80			

COLLIER COUNTY

WELL NUMBER.--261733081285502. Local Number C 989.

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 270 ft, cased to 240 ft, open hole 240 to 270 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 15 - Jan. 24, Aug. 16-29, 1989 water year.

PERIOD OF RECORD.--October 1984 to current year. Well affected by nearby pumpage.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.98 ft NGVD, July 11 - 13, 1986; lowest, 3.96 ft below NGVD, Apr. 3, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.67	10.03	1.04	1.51	.75	.78	-2.02	1.94	12.00	15.24	16.21	15.82
10	8.35	5.93	1.07	.36	.67	5.51	-3.07	3.55	11.68	15.49	15.77	14.08
15	7.25	3.37	3.03	.65	-0.70	-0.37	3.71	8.00	12.34	15.76	16.02	11.91
20	6.61	-1.92	-0.48	-0.11	-0.69	-1.62	3.74	10.63	12.70	16.32	16.20	13.21
25	5.51	-0.54	1.01	3.42	-2.21	-2.52	.15	10.89	13.21	16.58	15.60	14.50
EOM	3.65	2.54	1.27	1.16	-2.18	-3.35	1.43	11.64	14.19	16.34	14.38	11.67
MEAN	7.27	2.76	1.61	1.56	-0.20	-0.18	.20	7.67	12.52	15.81	15.84	13.67
MAX	11.79	10.45	4.22	6.07	1.87	7.16	6.42	11.65	14.19	16.58	16.22	15.82
MIN	3.53	-2.54	-0.48	-0.11	-3.33	-3.52	-3.96	1.94	11.27	14.39	14.38	11.34

WTR YR 1989 MEAN 6.59 MAX 16.58 JUL 24 AND OTHERS MIN -3.96 APR 3

WELL NUMBER.--261733081285503. Local Number C 985.

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 160 ft, cased to 80 ft, open hole 80 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.58 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.30 ft NGVD, June 24, 1986; lowest measured, 6.17 ft below NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1200	11.18	24...	1300	-2.77
25...	1430	2.93	MAY		
NOV			02...	1145	6.08
29...	1230	0.22	JUN		
DEC			01...	1230	11.48
27...	1230	0.96	27...	1210	14.36
JAN			JUL		
24...	1245	3.83	25...	1300	17.10
FEB			AUG		
22...	1210	-0.75	29...	1210	14.80
MAR					
31...	1215	-6.17			

COLLIER COUNTY

WELL NUMBER.--261740081235401. Local Number C 684.

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29, and 4.0 mi northwest of Sunniland. Owner: U.S. Geological Survey.

AQUIFER.--Mid Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 490 ft, cased to 440 ft, open hole 440 to 490 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Prior to October 1982 land-surface datum was considered to be 17.46 ft above NGVD. Measuring point: Top of PVC casing, 3.57 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1980 to current year. The figures of water level as elevation, in feet NGVD, prior to October 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.2 ft NGVD, Nov. 12, 1980; lowest measured, 31.0 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0930	33.50	24...	1630	31.40
26...	1600	33.20	MAY		
NOV			02...	1130	31.60
28...	1315	33.10	31...	1310	31.20
DEC			JUN		
27...	1200	32.60	26...	1210	31.00
JAN			JUL		
24...	1255	33.90	27...	1315	31.20
FEB			AUG		
24...	1120	31.70	30...	1325	31.70
MAR					
30...	1215	32.40			

COLLIER COUNTY

WELL NUMBER.--261740081235402. Local Number C 689.

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T. 48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29, and 4.5 mi northwest of Sunniland. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 265 ft, cased to 230 ft, open hole 230 to 265 ft.

INSTRUMENTAITON.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.57 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.83 ft NGVD, Aug. 29, 1983; lowest measured, 0.38 ft below NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0935	11.51	24...	1635	2.26
26...	1600	7.17	MAY		
NOV			02...	1135	7.16
28...	1320	6.94	31...	1305	11.69
DEC			JUN		
27...	1210	4.90	26...	1215	13.57
JAN			JUL		
24...	1250	5.26	27...	1315	16.86
FEB			AUG		
24...	1215	0.94	30...	1325	13.48
MAR					
30...	1220	-0.38			

COLLIER COUNTY

WELL NUMBER.--261740081235403. Local Number C 1073.

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of County Highway 858, 3.4 mi west of State Highway 29, 4.0 mi northwest of Sunniland.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age. Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 160 ft, cased to 100 ft, 60 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.28 ft NGVD, July 28, 1987; lowest measured, 0.55 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0935	11.94	24...	1635	3.62
26...	1600	8.28	MAY		
NOV			02...	1135	6.96
28...	1315	6.91	31...	1305	11.75
DEC			JUN		
27...	1205	5.95	26...	1210	13.36
JAN			JUL		
24...	1250	6.78	27...	1315	16.82
FEB			AUG		
24...	1115	3.18	30...	1335	14.91
MAR					
30...	1215	0.55			

COLLIER COUNTY

WELL NUMBER.--261741081235401. Local Number C 503.

LOCATION.--Lat 26°17'41", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29 and 4.0 mi northwest of Sunniland. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.4 ft, cased to 8 ft, open hole 8 to 20.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Between October 1979 and September 1982, land-surface datum was considered to be 17.47 ft above NGVD. Measuring point: Top of flange, 3.50 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1972 to September 1984 (daily), October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, between October 1979 and September 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.21 ft NGVD, present datum, Aug. 25, 1981; lowest, 12.95 ft NGVD, May 2, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0930	16.79	19...	1420	13.25
26...	1600	16.67	24...	1630	13.75
NOV			MAY		
28...	1315	14.96	02...	1130	15.11
DEC			31...	1310	15.07
27...	1200	14.74	JUN		
JAN			26...	1210	15.66
24...	1250	14.81	JUL		
FEB			27...	1310	17.61
24...	1215	13.93	AUG		
MAR			30...	1325	17.18
30...	1215	13.63			

COLLIER COUNTY

WELL NUMBER.--261802081354801. Local Number C 688.

LOCATION.--Lat 26°18'02", long 81°35'48", in SE¼NE¼ sec.15, T.48 S., R.27 E., Hydrologic Unit 03090204, 50 ft south and 200 ft west of the intersection of the third paved road north of the intersection of County Highway 858 and County Highway 846, 14 mi southwest of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 242 ft, cased to 220 ft, open hole 220 to 242 ft.

INSTRUMENTAITON.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.81 ft NGVD, June 29, 1982; lowest measured, 3.58 ft NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	1000	14.03	MAR 31...	0950	3.58
25...	1100	7.03	APR 24...	0945	4.03
NOV 29...	1000	8.21	JUN 01...	1015	9.08
DEC 27...	1015	4.23	27...	0930	10.48
JAN 24...	1000	8.04	JUL 25...	1315	12.86
FEB 22...	1000	6.59	AUG 29...	1000	13.07

COLLIER COUNTY

WELL NUMBER.--261805081473301. Local Number C 1082.

LOCATION.--Lat 26°18'05", long 81°47'39", in SW¼SW¼ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 0.3 mile east of Old US 41 and 2.5 miles south of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 20 ft, cased to 10 ft, 10 ft of 0.020 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape

DATUM.--Land-surface datum is 13.83 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.27 ft NGVD, Nov. 11, 1987; lowest measured, 7.36 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1215	11.09	13...	1105	8.10
26...	1355	10.45	27...	0850	7.94
NOV			MAY		
30...	1310	9.68	15...	1105	7.65
DEC			JUN		
29...	1130	9.11	02...	1220	7.47
JAN			12...	1110	7.36
25...	1300	8.77	27...	1645	8.36
FEB			JUL		
13...	1150	8.45	10...	1125	8.69
23...	1430	8.30	25...	1015	8.67
MAR			AUG		
13...	1225	8.61	14...	0940	10.13
30...	1225	8.43	29...	1315	9.01

COLLIER COUNTY

WELL NUMBER.--261805081473302. Local Number C 1083.

LOCATION.--Lat 26°18'05", long 81°47'39", in SW¼SW¼ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 0.3 mile east of Old US 41 and 2.5 miles south of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 74 ft, cased to 60 ft, 14 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.83 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.34 ft NGVD, July 10, 1989; lowest measured, 4.27 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1215	2.79	13...	1100	-4.27
26...	1405	-1.81	27...	0900	-3.78
NOV			MAY		
30...	1310	-1.76	15...	1100	-0.34
DEC			JUN		
29...	1130	-3.08	02...	1225	1.44
JAN			12...	1110	1.64
25...	1200	-2.44	JUL		
FEB			10...	1125	5.34
13...	1150	-3.56	25...	1020	4.09
23...	1425	-2.60	AUG		
MAR			14...	0940	1.74
13...	1225	-1.48	29...	1315	3.91
30...	1255	-2.48			

WELL NUMBER.--261823081171901. Local Number C 1071.

LOCATION.--Lat 26°18'23", long 81°17'19", in SE¼NE¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of State Highway 840, 3.2 mi east of State Highway 29 on State Highway 840, 11.0 mi southeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 35 ft, cased to 20 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.69 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 6-25, 1989 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.59 ft NGVD, Nov. 6, 1987; lowest, 6.83 ft NGVD, Apr. 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.26	14.11	8.66	9.38	7.84	9.20	7.12	8.78	10.24	13.36	13.27	15.02
10	8.35	11.11	9.66	9.23	8.56	10.31	7.13	8.24	10.61	13.63	12.67	13.56
15	8.25	8.64	8.67	7.74	7.49	8.53	8.24	8.69	10.68	13.36	11.91	12.90
20	8.09	10.86	9.38	7.56	7.50	7.96	8.78	10.35	10.86	13.25	13.54	11.16
25	9.25	10.54	8.58	10.08	7.27	7.75	7.14	9.98	11.58	13.33	11.49	14.66
EOM	9.57	8.78	9.70	9.34	7.90	7.52	9.56	10.36	12.47	13.53	13.14	13.56
MEAN	9.34	11.17	9.14	8.97	7.83	8.66	7.85	9.38	10.89	13.32	12.77	13.38
MAX	14.58	14.11	11.24	12.10	8.96	11.17	9.56	10.72	12.47	13.66	14.15	15.14
MIN	7.97	8.64	7.98	7.56	7.27	7.52	6.83	8.12	10.08	12.63	11.15	10.79

WTR YR 1989 MEAN 10.24 MAX 15.14 SEP 6 MIN 6.83 APR 12

WELL NUMBER.--261823081171902. Local Number C 1072.

LOCATION.--Lat 26°18'23", Long 81°17'19", in SE¼NE¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of State Highway 840, 3.2 mi east of State Highway 29 on State Highway 840, 11.0 mi southeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 260 ft, cased to 140 ft, screened from 140 ft to 220 ft with 0.020 screen.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Aug. 4-30, 1989 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.41 ft NGVD, Nov. 27, 1987; lowest, 7.46 ft NGVD, Apr. 13, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.22	12.73	10.37	9.47	8.86	8.94	7.94	9.51	10.06	13.78	14.45	15.83
10	12.38	12.42	10.65	9.45	8.71	10.24	7.82	9.00	10.44	14.56	14.00	15.52
15	11.43	11.70	10.61	9.25	8.48	9.65	7.70	8.81	10.80	14.50	13.00	14.20
20	10.81	11.57	9.83	9.20	8.35	8.87	8.65	9.91	10.83	14.21	14.35	13.95
25	10.61	12.21	10.23	10.16	8.26	8.67	8.50	9.91	11.61	14.48	12.60	15.20
EOM	10.47	12.12	9.79	9.60	8.16	8.27	8.77	9.92	12.40	14.54	14.67	14.06
MEAN	11.73	11.89	10.36	9.61	8.61	9.08	8.12	9.51	10.86	14.20	13.92	14.82
MAX	14.22	13.18	11.43	10.58	9.47	10.28	8.94	10.35	12.40	14.56	14.95	16.00
MIN	10.45	10.47	9.62	9.20	8.10	8.24	7.46	8.68	9.97	12.70	12.50	13.37

WTR YR 1989 MEAN 11.07 MAX 16.00 SEP 7 MIN 7.46 APR 13

WELL NUMBER.--262121081355501. Local Number C 978.

LOCATION.--Lat 26°21'21", long 81°35'59", in NW¼SE¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 15 ft, open hole 15 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.18 ft NGVD, Nov. 25, 1987; lowest measured, 14.22 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	1130	18.36
25...	1300	16.16
NOV		
29...	1100	15.66
DEC		
27...	1130	15.25
JAN		
24...	1140	15.66
FEB		
22...	1130	14.66
MAR		
31...	1125	14.56
APR		
19...	0950	14.40
24...	1200	15.08
JUN		
01...	1140	14.22
27...	1130	14.84
JUL		
25...	1330	16.62
AUG		
29...	1120	16.71

COLLIER COUNTY

WELL NUMBER.--262121081355502. Local Number C 963.

LOCATION.--Lat 26°21'21", long 81°35'59", in SE¼SW¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 340 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. gate valve, 5.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.0 ft NGVD, Oct. 23, Dec. 23, 1985; lowest measured, 19.27 ft NGVD, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1130	32.60	31...	1135	20.10
25...	1300	34.40	APR		
NOV			24...	1200	26.20
29...	1130	33.90	JUN		
DEC			01...	1145	29.40
27...	1140	22.40	27...	1135	30.60
JAN			JUL		
24...	1145	20.60	25...	1330	30.00
FEB			AUG		
22...	1140	19.27	29...	1125	33.10

WELL NUMBER.--262121081355503. Local Number C 979.

LOCATION.--Lat 26°21'21", long 81°35'59", in NW¼SE¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in..

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.79 ft NGVD, July 26, 1988; lowest measured, 7.80 ft NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1130	18.70	31...	1120	7.80
25...	1308	11.52	APR		
NOV			24...	1130	8.32
29...	1130	11.88	JUN		
DEC			01...	1135	10.28
27...	1130	8.54	27...	1120	12.30
JAN			JUL		
24...	1135	11.58	25...	1330	14.57
FEB					
22...	1130	9.22			

COLLIER COUNTY

WELL NUMBER.--262136081204201. Local Number C 966.

LOCATION.--Lat 26°21'37", long 81°20'43", in NE¼SW¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 150 ft north of Motorola Road, 200 ft west of State Highway 29, 5.7 mi south of State Highway 29A and 6.5 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 30 ft, open hole 30 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.33 ft NGVD, June 24, 1986; lowest measured, 15.84 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0955	18.11	19...	1430	16.33
26...	1645	17.28	25...	1015	16.28
NOV			MAY		
28...	1350	17.54	31...	1330	15.84
DEC			JUN		
27...	1230	17.54	26...	1230	17.86
JAN			JUL		
24...	1315	17.55	27...	1330	18.95
FEB			AUG		
24...	1230	17.05	30...	1355	19.88
MAR					
28...	0845	16.67			

WELL NUMBER.--262136081204202. Local Number C 965.

LOCATION.--Lat 26°21'37", long 81°20'43", in NE¼SW¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 150 ft north of Motorola Road, 200 ft west of State Highway 29, 5.7 mi south of State Highway 29A and 6.5 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 460 ft, cased to 438 ft, open hole 438 to 460 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.60 ft NGVD, Aug. 26, 1986; lowest measured, 10.53 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0955	16.43	25...	1015	11.10
26...	1645	14.58	MAY		
NOV			31...	1330	11.95
28...	1350	14.59	JUN		
DEC			26...	1230	14.34
27...	1230	12.09	JUL		
JAN			27...	1330	18.74
24...	1315	11.34	AUG		
FEB			30...	1350	19.77
24...	1230	10.53			
MAR					
28...	0845	11.05			

COLLIER COUNTY

WELL NUMBER.--262158081283401. Local Number C 981.

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 60 ft, cased to 40 ft, open hole 40 to 60 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.24 ft NGVD, Aug. 31, 1988; lowest measured, 9.51 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1000	13.54	19...	0940	10.80
25...	1130	12.39	24...	1000	9.51
NOV			JUN		
29...	1045	12.17	01...	1030	10.49
DEC			27...	1000	12.31
27...	1030	11.54	JUL		
JAN			25...	1420	14.01
24...	1015	12.04	AUG		
FEB			29...	1030	14.14
22...	1020	11.36			
MAR					
31...	1010	10.82			

WELL NUMBER.--262158081283402. Local Number C 983.

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Mid-hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 520 ft, cased to 480 ft, open hole 480 to 520 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. reducer, 1.36 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.8 ft NGVD, Nov. 25, 1987; lowest measured, 25.30 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1005	27.70	31...	1015	26.70
25...	1130	28.60	APR		
NOV			24...	1015	25.30
29...	1100	28.10	JUN		
DEC			01...	1035	27.10
27...	1045	27.30	27...	1010	26.90
JAN			JUL		
24...	1015	27.50	25...	1420	26.70
FEB			AUG		
22...	1020	26.90	29...	1035	26.50

COLLIER COUNTY

WELL NUMBER.--262158081283403. Local Number C 982.

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 160 ft, cased to 150 ft, open hole 150 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.91 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.94 ft NGVD, Aug. 26, 1986; lowest measured, 6.91 ft below NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1010	7.04	31...	1040	-6.91
25...	1145	3.32	APR		
NOV			24...	1030	-0.24
29...	1100	2.64	JUN		
DEC			01...	1045	8.12
27...	1100	-4.41	27...	1020	10.07
JAN			JUL		
24...	1030	3.07	25...	1415	13.33
FEB			AUG		
22...	1030	-5.58	29...	1035	11.79

WELL NUMBER.--262158081283404. Local Number C 1079.

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 390 ft, cased to 298 ft, 102 ft of open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.33 ft at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.75 ft NGVD, Aug. 21, 22, 23, 1988; lowest, 6.66 ft below NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.79	-0.61	1.17	-3.93	-3.11	-5.76	-5.56	-0.11	7.02	10.71	13.28	12.07
10	9.19	2.39	-0.07	-4.47	-3.68	-1.19	-6.07	.61	7.68	11.60	13.15	12.00
15	8.09	2.07	-0.87	-4.99	-4.37	-0.72	-6.65	1.22	8.24	12.17	13.28	11.15
20	6.86	1.28	-1.50	-5.27	-5.10	-1.70	-2.38	2.84	8.71	12.61	12.98	10.43
25	5.80	1.88	-2.42	-2.74	-5.38	-2.97	-1.82	4.55	9.19	13.03	12.90	9.93
EOM	-1.34	1.78	-3.27	-2.62	-5.99	-4.48	-2.72	6.25	9.85	13.34	12.44	9.97
MEAN	6.45	1.28	-0.90	-4.05	-4.30	-3.01	-4.29	2.11	8.21	12.05	13.07	11.09
MAX	10.51	2.41	1.66	-2.49	-2.70	-0.57	-1.47	6.25	9.85	13.34	13.35	12.32
MIN	-1.52	-1.32	-3.27	-5.34	-5.99	-6.22	-6.66	-2.32	6.38	10.01	12.44	9.93

WTR YR 1989 MEAN 3.19 MAX 13.35 AUG 1 AND OTHERS MIN -6.66 APR 14

COLLIER COUNTY

WELL NUMBER.--262228081361901. Local Number C 492.

LOCATION.--Lat 26°22'23", long 81°36'20", in SE¼NW¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, 12 mi southwest of Immokalee, and 15 mi northeast of East Naples. Owner: National Audubon Society.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 64 ft, cased 60 ft, open hole 60 to 64 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Land-surface datum is 17.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 4.04 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 3-25, Oct. 29 - Nov. 29, Dec. 12-14, Dec. 21-26, Mar. 21-31, Apr. 24 - May 31, June 27 - July 26, 1989 water year.

PERIOD OF RECORD.--October 1970 to October 1986, monthly. November 1986 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.54 ft NGVD; Oct. 8, 1974; lowest, 12.74 ft NGVD; June 16, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.90	16.79	15.78	15.06	14.50	14.33	13.76	13.85	12.97	15.15	16.65	16.78
10	16.76	16.55	15.66	14.89	14.34	14.82	13.58	13.67	12.88	15.25	16.16	16.50
15	16.57	16.33	15.71	14.79	14.14	14.48	13.41	13.43	12.77	15.90	16.62	16.29
20	16.39	16.10	15.53	14.74	14.06	14.18	13.95	13.26	13.51	15.65	16.63	16.27
25	16.17	16.15	15.35	15.20	13.95	14.00	14.05	13.09	13.96	16.45	16.70	16.65
EOM	15.99	15.94	15.18	14.80	13.90	13.75	13.97	12.96	14.40	16.41	[illegible]	16.65
MEAN	16.51	16.31	15.60	14.98	14.23	14.26	13.75	13.42	13.29	15.72	16.59	16.52
MAX	16.95	16.80	15.94	15.50	14.67	14.83	14.10	13.95	14.40	16.69	17.03	16.79
MIN	15.99	15.93	15.18	14.74	13.90	13.75	13.37	12.96	12.74	14.50	16.09	16.17

WTR YR 1989 MEAN 15.11 MAX 17.03 AUG 21 MIN 12.74 JUN 16

WELL NUMBER.--262228081361902. Local Number C 1080.

LOCATION.--Lat 26°22'28", long 81°36'19", in SE¼NW¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, at Corkscrew Swamp Sanctuary 12 mi southwest of Immokalee, and 15 mi northeast of East Naples. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 309 ft, cased to 238 ft, 71 ft of open hole.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 17.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.36 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.40 ft NGVD, Nov. 25, 1986; lowest measured, 10.16 ft NGVD, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1100	26.26	31...	1100	10.22
25...	1230	26.66	APR		
NOV			24...	1100	18.89
29...	1105	26.46	JUN		
DEC			01...	1115	21.16
27...	1115	13.33	27...	1110	23.76
JAN			JUL		
24...	1130	11.71	25...	1340	23.96
FEB			AUG		
22...	1100	10.16	29...	1100	25.46

COLLIER COUNTY

WELL NUMBER.--262505081245301. Local Number C 258.

LOCATION.--Lat 26°25'04", long 81°24'59", in NW¼SW¼ sec.3, T.47 S., R.29 E., Hydrologic Unit 03090204, 100 ft south of State Road 846, 500 ft east of State Road 29 and 0.10 mi east-southeast of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 783 ft.

INSTRUMENTAITON.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 35.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of 4 in. steel cap, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.30 ft NGVD, Sept. 28, 1981; lowest measured, 52.10 ft NGVD, June 24, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1200	55.00	24...	1125	53.25
25...	1130	54.60	MAY		
NOV			31...	1350	53.10
28...	0920	54.50	JUN		
DEC			29...	0925	52.90
28...	0855	54.20	JUL		
JAN			27...	0950	54.10
24...	0945	56.40	AUG		
FEB			31...	0910	54.10
23...	0940	54.00			
MAR					
30...	0910	53.50			

COLLIER COUNTY

WELL NUMBER.--262507081235201. Local Number C 298.

LOCATION.--Lat 26°25'07", long 81°23'52", in SW¼NW¼ sec.2, T.47 S., R.29 E., Hydrologic Unit 03090204, 30 ft north of State Road 846, 0.75 mi east of State Road 29, and 1.4 mi east of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in., depth 303 ft, cased to 254 ft, open hole 254 to 303 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.97 ft NGVD, Oct. 7, 1982; lowest measured, 13.27 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1405	20.04	13...	1040	13.56
26...	1300	17.43	24...	1240	14.88
NOV			MAY		
16...	1030	17.13	15...	1030	16.01
28...	1020	17.23	31...	1340	14.92
DEC			JUN		
12...	1030	16.37	12...	1050	15.19
27...	0955	15.81	29...	1020	17.83
JAN			JUL		
09...	1130	14.55	10...	1200	20.73
24...	1040	14.13	27...	1115	21.83
FEB			AUG		
13...	1050	14.18	14...	1035	22.02
24...	0950	13.27	31...	0955	21.69
MAR					
13...	1050	14.95			
30...	0955	15.00			

COLLIER COUNTY

WELL NUMBER.--262519081162102. Local Number C 1074.

LOCATION.--Lat 26°25'19", long 81°16'21", SE¼NE¼ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft south of State Highway 846 at Collier/Hendry county line, and 9 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 130 ft, cased to 100 ft, 30 ft of open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 26.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.23 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 28 - Jan. 23, Feb. 12-23, Apr. 22-24, June 4-9, Sept. 26-29, 1989 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level 26.00 ft NGVD, Nov. 21, 28, 1987; lowest, 18.93 ft NGVD, Apr. 13, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.76	22.48	21.57	20.56	19.91	19.31	19.19	21.05	20.90	23.84	24.22	24.87
10	23.61	22.42	21.19	20.52	19.79	20.05	18.98	20.67	21.03	24.12	24.48	24.88
15	23.20	22.30	21.19	20.37	19.63	19.88	19.94	20.78	21.19	24.14	24.48	24.64
20	22.86	21.91	20.86	20.23	19.48	20.14	21.01	20.81	21.32	24.09	24.53	24.87
25	22.46	22.00	20.85	20.43	19.19	19.91	20.76	20.87	21.71	24.07	24.77	24.96
EOM	22.05	21.67	20.73	20.24	19.08	19.45	20.57	20.97	22.83	24.12	24.53	25.10
MEAN	23.06	22.15	21.12	20.43	19.62	19.74	19.95	20.86	21.36	23.99	24.46	24.86
MAX	23.83	22.48	21.66	20.70	20.18	20.14	21.01	21.13	22.83	24.14	24.77	25.25
MIN	22.05	21.67	20.73	20.20	19.08	18.99	18.93	20.66	20.88	23.02	24.12	24.47

WTR YR 1989 MEAN 21.81 MAX 25.25 SEP 27 MIN 18.93 APR 13

WELL NUMBER.--262521081161901. Local Number C 131.

LOCATION.--Lat 26°25'21", long 81°16'19", in SE¼NE¼ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft north of State Road 846, at Collier/Hendry County line, and 9 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 22 ft, open hole 22 to 54 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 26.71 ft above National Geodetic Vertical Datum of 1929. Prior to October 1975, land-surface datum was considered to be 26.60 ft above NGVD. Measuring point: Top of recorder shelf, 2.94 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Water levels affected be nearby irrigation. Water levels estimated Jan. 13-24, 1989 water year.

PERIOD OF RECORD.--June 1952 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.83 ft NGVD, present datum, Oct. 9, 1953; lowest, 15.73 ft NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.85	23.08	19.82	18.40	17.62	16.85	15.80	21.23	21.03	25.40	23.73	24.50
10	21.90	21.40	19.96	18.27	17.49	17.12	15.92	19.78	21.12	24.75	24.35	22.75
15	21.70	21.10	19.73	17.97	17.36	16.90	16.01	21.52	21.40	24.37	23.12	24.16
20	21.34	21.86	19.84	17.68	16.97	16.72	22.32	21.50	21.36	24.62	24.73	24.37
25	21.06	19.75	19.88	18.08	16.15	16.73	18.47	21.36	22.20	24.11	22.41	24.73
EOM	20.90	19.84	18.95	17.87	16.40	16.04	22.56	21.18	24.91	22.67	22.17	24.08
MEAN	21.76	21.24	19.85	18.11	17.19	16.81	17.87	21.25	21.74	24.46	23.48	23.87
MAX	23.70	23.08	20.88	18.74	17.88	18.38	22.56	22.83	24.91	25.99	24.73	24.92
MIN	20.74	19.62	18.95	17.50	16.15	16.04	15.73	18.65	21.01	22.67	22.17	22.57

WTR YR 1989 MEAN 20.66 MAX 25.99 JUL 3 MIN 15.73 APR 14

COLLIER COUNTY

WELL NUMBER.--262554081283801. Local Number C 687.

LOCATION.--Lat 26°25'54", long 81°28'38", in NE¼SW¼ sec.36, T.46 S., R.28 E., Hydrologic Unit 03090204, in island of Tippons Road, 0.1 mi south of County Highway 890, 3.2 mi west of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone Aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 310 ft, cased to 290 ft, open hole 290 to 310 ft.

INSTRUMENTAITON.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.98 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, land-surface datum was considered to be 6.55 ft NGVD. Measuring point: Top of casing, 3.26 ft above land-surface datum. SEE PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey. The records of water levels as elevation, in feet NGVD, prior to Oct. 1, 1985 are in error. Revised records are in file of the Geological Survey. SEE DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.19 ft NGVD, October 5, 1982; lowest measured, 4.03 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1145	18.51	13...	1030	16.09
26...	1000	14.72	30...	0850	11.75
NOV			APR		
16...	1045	14.48	13...	1020	10.35
28...	0900	14.63	24...	0945	4.03
DEC			24...	1050	13.18
12...	1010	11.12	MAY		
27...	0840	10.74	15...	1020	12.15
JAN			JUN		
09...	1115	10.68	02...	0950	13.62
24...	0930	12.67	12...	1040	14.44
FEB			JUL		
13...	1030	10.23	27...	0930	22.69
23...	0925	10.26	AUG		
			14...	1020	23.36
			31...	0855	22.37

COLLIER COUNTY

WELL NUMBER.--262555081242501. Local Number C 363.

LOCATION.--Lat 26°25'55", long 81°24'25", in NW¼SE¼ sec.34, T.46 S., R.29 E., Hydrologic Unit 03090204, 54 ft south of west access road to Immokalee Airport near beacon tower, 1 mi north of State Road 29 and 1.2 mi east of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 119 ft, cased to 84 ft, open hole 84 to 119 ft.

INSTRUMENTATION.--Monthly measurment with chalked tape.

DATUM.--Land-surface datum is 34.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.91 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1961 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.19 ft NGVD, June 24, 1982; lowest measured, 18.24 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1210	25.70	24...	1135	20.37
26...	1210	23.94	MAY		
NOV			31...	1345	18.24
28...	0930	23.67	JUN		
DEC			29...	0935	26.33
27...	0900	24.19	JUL		
JAN			27...	1000	27.22
24...	0950	22.75	AUG		
FEB			31...	0950	25.60
24...	0900	20.72			
MAR					
30...	0915	20.72			

COLLIER COUNTY

WELL NUMBER.--262558081270501. Local Number C 1078.

LOCATION.--Lat 26°25'58", long 81°27'05", in SE¼NE¼ sec.31, T.46 S., R.29 E., Hydrologic Unit 03090204, 25 ft north of County Highway 850, 1.1 mi west of State Highway 29 on County Highway 850, 2.0 mi west of Immokallee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4in., depth 45 ft, cased to 13 ft, 15 ft of 0.020 screen 13 ft to 38 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF REOCRD.--Highest water level measured, 32.17 ft NGVD, Sept. 1, 1988; lowest measured, 21.46 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1150	26.34	30...	0855	21.69
26...	1040	24.75	APR		
NOV			24...	1105	21.46
28...	0910	24.97	JUN		
DEC			02...	0955	21.58
27...	0845	22.47	29...	0915	24.16
JAN			JUL		
24...	0930	22.36	27...	0945	27.10
FEB			AUG		
23...	0930	21.53	31...	0900	27.12

WELL NUMBER.--262724081260701. Local Number C 462.

LOCATION .--Lat 26°27'24", long 81°26'12", in SE¼SE¼ sec.20, T.46 S., R.29 E., Hydrologic Unit 03090204, in pasture 0.1 mi west of State Road 29, 1.7 mi north of State Road 850 and 2.5 mi northwest of Immokalee. Owner: Collier Corp.

AQUIFER.--Lower Tamiami of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8.62 in., depth 110 ft, cased to 50 ft, slotted casing 50 to 110 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 34.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 8-27, Jan. 19-23, Apr. 14-25, June 30 - July 27, 1989 water year.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.13 ft NGVD, Sept. 2, 1983; lowest, 24.14 ft NGVD, Mar. 2, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.53	28.57	27.81	25.23	25.76	25.83	25.70	27.10	25.51	32.30	34.23	33.22
10	29.57	28.40	27.27	25.80	25.34	26.35	25.49	27.03	26.38	33.40	34.32	29.58
15	28.76	27.25	27.09	26.18	25.15	26.32	25.00	27.05	26.38	32.50	34.24	28.96
20	27.88	27.00	26.89	25.70	25.37	26.93	28.35	26.15	26.66	33.10	34.04	30.78
25	28.19	27.75	27.04	26.31	24.29	25.96	26.50	25.67	28.19	33.90	33.77	30.62
EOM	28.07	27.36	26.54	25.74	24.31	25.15	27.04	26.03	30.56	33.99	33.23	31.02
MEAN	28.74	27.66	26.99	25.85	25.19	26.01	26.07	26.68	26.89	33.03	34.00	31.05
MAX	29.96	28.71	27.81	26.83	25.99	27.05	28.35	27.76	30.56	34.05	34.37	33.23
MIN	27.13	26.75	25.47	25.00	24.16	24.14	24.71	25.67	25.29	30.13	33.23	28.96

WTR YR 1989 MEAN 28.21 MAX 34.37 AUG 11 MIN 24.14 MAR 2

COLLIER COUNTY

WELL NUMBER.--262822081213201. Local Number C 1075.

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼NE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of SR 846 and 5.5 mi east of SR 29, 5.0 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 28 ft, cased to 8 ft, 20 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30.47 ft NGVD, Mar. 31, 1987; lowest measured, 26.13 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1315	30.03	19...	1055	27.51
27...	0915	28.71	24...	1200	27.30
NOV			JUN		
28...	0950	28.26	02...	1020	26.13
DEC			29...	1000	29.89
27...	0925	27.52	JUL		
JAN			27...	1045	30.42
24...	1015	27.60	AUG		
FEB			31...	0930	30.02
24...	0915	26.43			
MAR					
30...	0935	26.99			

WELL NUMBER.--262822081213202. Local Number C 1076.

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼SE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of County Highway 846 and 5.5 mi east of State Highway 29, 5 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 85 ft, cased to 65 ft, 20 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.41 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.90 ft NGVD, Mar. 31, 1987; lowest measured, 21.32 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1315	27.01	30...	0935	24.53
27...	0920	22.84	APR		
NOV			24...	1205	26.55
28...	0950	26.96	JUN		
DEC			02...	1020	21.32
27...	0925	26.31	29...	0955	28.10
JAN			JUL		
24...	1015	26.11	27...	1045	28.81
FEB			AUG		
24...	0920	21.70	31...	0925	28.54

WELL NUMBER.--262822081213203. Local Number C 1077.

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼SE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of County Highway 846, and 5.5 mi east of State Highway 29, 5 mi northeast of Immokallee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Micoene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 246 ft, cased to 170 ft, 40 ft of screen 0.020, 170 ft to 210 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.67 ft NGVD, Mar. 31, 1987; lowest measured, 21.00 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1315	26.62	30...	0940	23.81
27...	0915	23.78	APR		
NOV			24...	1205	25.55
28...	0950	26.50	JUN		
DEC			02...	1020	27.30
27...	0930	25.80	29...	0950	27.56
JAN			JUL		
24...	1015	25.60	27...	1050	28.30
FEB					
24...	0915	21.00			

WELL NUMBER.--262859081273001. Local Number C 531.

LOCATION.--Lat 26°29'28", long 81°27'29", in NW¼SE¼ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, north of State Highway 82, 1.5 mi west of State Highway 29 and 5.5 mi northwest of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 253 ft, cased to 210 ft, screened 210 to 240 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 41.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.58 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well affected by nearby pumping. Water levels estimated Dec. 20 - Mar. 9, May 21-29, 1989 water year.

PERIOD OF RECORD.--October 1975 to September 1976 (monthly), October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.92 ft NGVD, Sept. 5, 1983; lowest, 0.31 ft below NGVD, June 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.14	20.99	21.52	18.35	14.89	4.36	5.18	5.77	3.29	16.21	19.12	13.59
10	21.58	19.09	18.15	11.59	10.25	10.10	3.81	4.03	4.33	17.75	18.15	14.56
15	15.44	15.34	20.04	16.28	12.55	4.67	7.57	4.34	7.46	14.84	19.41	7.97
20	14.79	15.03	19.68	9.41	11.85	8.80	10.46	1.38	8.04	16.78	18.75	14.34
25	13.71	17.01	17.19	17.64	15.61	7.59	1.58	1.20	12.36	18.56	15.88	14.84
EOM	13.49	18.17	19.81	14.20	13.38	3.31	9.01	2.54	14.03	19.08	11.05	12.43
MEAN	17.72	17.01	18.04	14.65	12.33	6.62	5.62	3.62	7.46	17.00	17.22	12.76
MAX	22.25	21.88	21.52	22.45	19.89	12.83	10.46	9.77	14.03	19.13	19.90	16.26
MIN	13.49	13.67	3.31	6.28	7.19	1.64	1.30	.73	-0.31	14.62	10.71	7 97

WTR YR 1989 MEAN 12.53 MAX 22.45 JAN 1 MIN -0.31 JUN 1

COLLIER COUNTY

WELL NUMBER.--262859081273002. Local Number C 532.

LOCATION.--Lat 26°29'28", long 81°27'29", in NW¼SE¼ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, north of State Highway 82, 1.5 mi west of State Highway 29 and 5.5 mi northwest of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft, cased to 3 ft, screened 3 to 13 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 41.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.29 ft NGVD, June 29, 1981; lowest measured, 37.55 ft NGVD, Jan. 27, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1225	39.39	19...	0915	40.11
25...	0945	39.05	24...	1140	39.32
NOV			MAY		
29...	1305	39.24	02...	1015	40.02
DEC			30...	1310	38.92
29...	1245	39.25	JUN		
JAN			28...	1200	41.13
25...	1155	39.74	JUL		
FEB			26...	1315	39.73
21...	1350	38.97	AUG		
MAR			28...	1210	38.92
27...	1245	39.19			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
COLLIER COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
260334081391601	C - 968	26 03 34 N	081 39 16 W	10-04-88	7.33
				10-25-88	5.29
				11-29-88	4.89
				12-27-88	4.05
				01-24-89	3.50
				02-22-89	3.32
				03-29-89	2.77
				04-25-89	3.11
				06-01-89	2.08
				07-26-89	5.64
				08-28-89	6.36
261444081284901	C - 988	26 14 44 N	081 28 49 W	10-03-88	13.17
				10-26-88	13.61
				11-29-88	9.41
				12-27-88	7.77
				01-24-89	6.70
				02-22-89	5.53
				03-31-89	4.11
				04-24-89	5.83
				06-01-89	8.73
				06-27-89	9.57
				07-25-89	14.49
				08-29-89	14.38
261620081464401	C -1004	26 16 20 N	081 46 44 W	10-05-88	2.48
				10-24-88	-3.04
				11-15-88	-2.84
				11-29-88	-1.27
				12-12-88	-0.77
				12-27-88	-3.01
				01-09-89	-3.40
				01-24-89	-1.55
				02-13-89	-4.22
				02-22-89	-3.73
				03-13-89	-2.74
				03-29-89	-5.04
				04-13-89	-5.75
				04-24-89	-0.7
				05-15-89	-0.18
				06-01-89	-0.68
				06-12-89	2.23
				06-28-89	4.02
				07-10-89	6.10
				07-25-89	4.44
				08-14-89	1.70
				08-27-89	2.97
261721081351301	C - 970	26 17 21 N	081 35 13 W	10-03-88	9.38
				10-25-88	8.55
262505081245301	C - 258	26 25 04 N	081 24 59 W	10-04-88	55.00
				10-25-88	54.60
				11-28-88	54.50
				12-28-88	54.20
				01-24-89	56.40
				02-23-89	54.00
				03-30-89	53.50
				04-24-89	53.25
				05-31-89	53.10
				06-29-89	52.90
				07-27-89	54.10
				08-31-89	54.10

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
254858081231601	C - 39	25 48 57 N	081 21 43 W	10-25-88	7320	2000
				04-25-89	7330	2200
255430081221001	C - 311	25 54 38 N	081 21 54 W	10-25-88	2390	440
				04-25-89	2370	460
255637081281401	C -1065	25 56 37 N	081 28 14 W	10-25-88	44900	16000
				04-25-89	45300	16000
255637081281402	C -1066			10-25-88	60400	22000
				04-25-89	56900	21000
255700081274501	C - 269	25 56 26 N	081 28 12 W	10-25-88	2380	520
				04-25-89	2270	580
255703081213801	C - 995	25 57 03 N	081 21 38 W	10-25-88	472	16
				04-25-89	490	16
255748081181801	C - 495	25 57 48 N	081 18 18 W	10-25-88	434	16
				12-30-88	494	26
				02-23-89	420	16
				04-25-89	410	20
				06-26-89	478	20
				08-30-89	525	22
260111081243901	C - 496	26 01 11 N	081 24 39 W	10-05-88	558	38
				10-25-88	601	38
				11-30-88	545	38
				12-30-88	592	40
				01-27-89	592	40
				02-23-89	597	40
				03-28-89	610	40
				04-25-89	610	40
				05-31-89	586	42
				06-26-89	600	40
				08-30-89	785	48
260137081375901	C -1063	26 01 37 N	081 37 59 W	10-25-88	533	28
				04-25-89	530	30
260137081375902	C -1064			10-25-88	1860	360
				04-25-89	1740	320
260238081401401	C - 969	26 02 38 N	081 40 14 W	10-25-88	730	70
				04-25-89	770	88
260247081412201	C -1081	26 02 47 N	081 41 22 W	10-24-88	514	14
				04-25-89	520	16
260304081391401	C - 975	26 03 04 N	081 39 14 W	10-25-88	808	80
				04-24-89	910	78
260309081272601	C - 987	26 03 09 N	081 27 26 W	10-25-88	3070	680
				04-25-89	2960	700
260314081323101	C -1067	26 03 14 N	081 32 31 W	10-25-88	833	40
				11-30-88	752	42
				04-25-89	910	62
260314081323102	C -1068			10-25-88	5820	1500
				04-25-89	5500	1500
260334081391601	C - 968	26 03 34 N	081 39 16 W	10-25-88	698	54
				04-25-89	690	62
260448081411601	C - 446	26 04 48 N	081 41 16 W	10-25-88	791	28
				04-25-89	900	56
260540081430601	C - 967	26 05 40 N	081 43 06 W	10-24-88	781	56
				04-25-89	700	46
260549081441901	C - 600	26 05 49 N	081 44 19 W	10-24-88	841	72
				04-25-89	840	76

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
260630081411401	C - 599	26 06 30 N	081 41 14 W	10-25-88	1130	110
				04-24-89	1360	170
260632081324702	C - 690	26 06 29 N	081 32 35 W	10-27-88	722	58
				04-25-89	790	68
260640081204301	C - 296	26 06 40 N	081 20 43 W	10-25-88	2390	620
				12-30-88	2530	560
				02-23-89	2400	520
				04-25-89	2140	460
				06-26-89	2230	460
				08-30-89	2920	600
260813081214301	C -1069	26 08 13 N	081 21 43 W	10-25-88	461	18
260813081214301	C -1069	26 08 13 N	081 21 43 W	11-30-88	425	18
				04-25-89	490	20
260813081214302	C -1070			10-25-88	559	24
				04-25-89	550	22
260843081324201	C - 973	26 08 43 N	081 32 42 W	10-27-88	2580	580
				04-27-89	2580	570
260843081324202	C - 972			10-27-88	597	8.0
				04-27-89	590	10
260902081480401	C - 130	26 09 02 N	081 48 04 W	10-26-88	932	120
				04-26-89	900	130
260908081411201	C - 996	26 09 08 N	081 41 12 W	10-27-88	845	46
				04-27-89	740	26
260912081434201	C - 175	26 09 12 N	081 43 46 W	10-24-88	5300	1200
				04-24-89	5700	1600
260915081385901	C - 976	26 09 15 N	081 38 59 W	10-27-88	709	14
				04-27-89	690	30
260915081385902	C - 977			10-27-88	784	24
				04-27-89	730	30
260919081155901	C - 308	26 09 19 N	081 15 59 W	10-24-88	6490	1800
260919081460501	C -1052	26 09 19 N	081 46 05 W	10-24-88	487	20
				04-24-89	490	28
260919081460502	C -1053			10-24-88	2200	440
				04-24-89	2180	430
260925081475101	C -1062	26 09 25 N	081 47 51 W	10-26-88	618	44
				04-26-89	470	60
260925081475201	C - 472A	26 09 25 N	081 47 52 W	10-26-88	570	36
				04-26-89	570	38
260941081324201	C - 974	26 09 41 N	081 32 42 W	10-27-88	7430	2100
				04-27-89	7250	2000

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
260948081483301	C - 524	26 09 48 N	081 48 33 W	10-26-88	7320	2000
				11-15-88	5510	1500
				11-30-88	7980	2400
				12-12-88	5690	1600
				12-28-88	3430	1100
				01-09-89	3580	980
				01-25-89	2600	660
				02-13-89	3300	880
				02-23-89	2600	620
				03-13-89	1910	450
				03-30-89	3680	900
				04-13-89	4070	1000
				04-26-89	1830	440
				05-15-89	2500	600
				06-01-89	111	12
				06-12-89	2620	660
				07-10-89	1350	280
261000080520001	C - 54	26 10 18 N	080 53 02 W	10-24-88	361	16
				04-26-89	260	20
261002081483701	C - 525	26 10 02 N	081 48 37 W	10-26-88	972	190
				11-15-88	697	110
				11-30-88	887	180
				12-12-88	959	190
				12-28-88	902	200
				01-09-89	972	200
				01-25-89	991	190
				02-13-89	908	160
				02-23-89	986	190
				03-13-89	989	180
				03-30-89	936	170
				04-13-89	1010	180
				04-26-89	990	200
				05-15-89	870	150
				06-01-89	680	110
				06-12-89	954	180
261003081475801	C - 123	26 10 03 N	081 47 58 W	10-26-88	445	20
261003081475801	C - 123	26 10 03 N	081 47 58 W	04-26-89	420	16
261018081484101	C - 526	26 10 18 N	081 48 41 W	10-26-88	9700	2800
				11-15-88	9640	2900
				11-30-88	8980	2900
				12-12-88	9470	2900
				12-28-88	8950	3000
				01-09-89	9310	2800
				01-25-89	9520	2900
				02-13-89	9470	3000
				02-23-89	9500	2900
				03-13-89	9530	3000
				03-30-89	9950	3200
				04-13-89	9850	2900
				04-26-89	9390	2800
				05-15-89	9830	3000
				06-01-89	9370	2500
				06-12-89	9840	2900
				06-27-89	9830	3000
				07-10-89	9750	2900
261023081470701	C - 161	26 10 23 N	081 47 07 W	10-24-88	672	96
				04-24-89	730	110
261024081463801	C -1051	26 10 24 N	081 46 38 W	10-24-88	691	44
				04-24-89	690	50

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261024081480101	C - 409A	26 10 24 N	081 48 01 W	10-25-88	464	22
				04-26-89	440	26
261024081480102	C - 409			10-25-88	510	22
				04-26-89	390	22
261048081484801	C - 527	26 10 48 N	081 48 48 W	10-26-88	29700	9800
				11-15-88	24300	8000
				11-30-88	27800	8400
				12-12-88	26400	9200
				12-28-88	25200	9600
				01-09-89	24800	8400
				01-25-89	26400	8900
				02-13-89	34300	12000
				02-23-89	28300	9800
				03-13-89	27900	9800
				03-30-89	55000	12000
				04-13-89	32100	11000
				04-26-89	25100	8300
				05-15-89	33300	11000
				06-01-89	20100	6700
				06-12-89	25300	8100
261103081474902	C -1000	26 11 03 N	081 47 49 W	10-26-88	235	20
				04-26-89	260	26
261114081482301	C - 474A	26 11 14 N	081 48 23 W	10-26-88	602	88
				04-26-89	660	110
261114081482302	C - 474			10-26-88	491	88
				04-26-89	510	98
261116081480303	C -1001	26 11 16 N	081 48 03 W	10-26-88	712	48
				04-26-89	710	60
261117081480101	C - 491	26 11 17 N	081 48 01 W	10-26-88	241	22
				12-29-88	710	62
				04-26-89	570	46
261124081470101	C - 392	26 11 24 N	081 47 01 W	10-25-88	669	44
				04-28-89	700	50
261124081470301	C - 391	26 11 24 N	081 47 03 W	10-25-88	376	16
				04-25-89	450	20
261127081461001	C -1054	26 11 27 N	081 46 10 W	10-24-88	595	22
				04-24-89	590	36
261146081460701	C - 430	26 11 46 N	081 46 07 W	10-24-88	972	100
				04-24-89	910	92
261156081475801	C - 516	26 11 56 N	081 47 58 W	10-26-88	385	10
				04-26-89	320	6.0
261200081204901	C - 986	26 12 00 N	081 20 49 W	10-25-88	702	40
261200081204901	C - 986	26 12 00 N	081 20 49 W	04-25-89	680	42

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261200081483001	C - 528	26 11 55 N	081 48 30 W	10-26-88	428	18
				11-15-88	423	24
				11-30-88	396	22
				12-12-88	421	38
				12-28-88	391	28
				01-09-89	434	25
				01-25-89	420	22
				02-13-89	418	18
				02-23-89	417	20
				03-13-89	426	20
				03-30-89	450	22
				04-13-89	439	22
				04-26-89	420	28
				05-15-89	446	24
				06-01-89	446	28
				06-12-89	447	26
				07-10-89	431	20
261211081441301	C -1055	26 12 11 N	081 44 13 W	10-25-88	630	6.0
				04-25-89	650	8.0
261233081480201	C - 506A	26 12 33 N	081 48 02 W	10-26-88	415	12
				04-26-89	400	14
261233081480202	C -1026			10-26-88	510	22
261241081465401	C -1002	26 12 41 N	081 46 54 W	10-25-88	967	46
				04-25-89	880	36
261243081480301	C - 490	26 13 13 N	081 48 03 W	10-26-88	345	8.0
				04-26-89	340	12
261302081473901	C - 489	26 13 02 N	081 47 39 W	10-26-88	454	34
				11-15-88	242	26
				11-30-88	390	36
				12-12-88	389	38
				12-28-88	362	38
				01-09-89	428	34
				01-25-89	452	42
				02-13-89	452	38
				02-23-89	488	38
				03-13-89	447	38
				03-30-89	455	36
				04-13-89	462	42
				04-26-89	440	40
				05-15-89	463	40
				06-02-89	440	38
				06-12-89	468	40
				08-29-89	370	34
261311081480101	C -1061	26 13 11 N	081 48 01 W	10-26-88	311	36
				04-26-89	330	44
261343081384201	C - 980	26 13 43 N	081 38 48 W	10-26-88	743	6.0
				04-24-89	820	16
261343081384802	C - 956			10-26-88	846	54
				04-24-89	840	56
261346081480201	C - 515	26 13 46 N	081 48 02 W	10-26-88	418	10
				04-26-89	420	12
261347081351201	C - 953	26 13 47 N	081 35 12 W	10-26-88	388	8.0
				04-24-89	550	10
261347081351202	C - 951			10-26-88	653	32
				04-24-89	660	34
261347081351701	C - 948	26 13 47 N	081 35 17 W	10-26-88	1820	180
				04-24-89	1800	170

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261401081461401	C - 458	26 14 01 N	081 46 14 W	10-25-88	741	18
				04-25-89	720	20
261405081465501	C - 460	26 14 05 N	081 46 55 W	10-25-88	959	16
				04-25-89	850	16
261417081305402	C - 598	26 14 17 N	081 30 54 W	10-24-88	734	18
				04-24-89	700	26
261435081472501	C - 321	26 14 35 N	081 47 25 W	10-26-88	254	12
261435081472501	C - 321	26 14 35 N	081 47 25 W	04-26-89	300	34
261436081480301	C -1003	26 14 36 N	081 48 03 W	10-26-88	389	6.0
				04-26-89	370	4.0
261438081481001	C - 575	26 13 17 N	081 48 05 W	10-26-88	4500	1000
				01-25-89	4740	1200
				04-26-89	4250	1100
261444081284901	C - 988	26 14 44 N	081 28 49 W	10-26-88	713	48
				04-24-89	700	44
261457081460901	C -1056	26 14 57 N	081 45 09 W	10-24-88	228	12
				04-24-89	390	16
261459081480401	C -1060	26 14 59 N	081 48 04 W	10-26-88	253	44
				11-30-88	420	88
				04-26-89	520	100
261508081484902	C - 999	26 15 08 N	081 48 49 W	10-26-88	628	28
				04-26-89	660	40
261524081480401	C - 424	26 15 24 N	081 48 04 W	10-26-88	2030	480
				11-15-88	2010	480
				02-23-89	1700	380
				03-13-89	1700	380
				03-30-89	1650	360
				04-26-89	1540	330
				05-15-89	1750	410
				06-12-89	1670	460
				07-10-89	1940	500
261530081412001	C - 997	26 15 30 N	081 41 20 W	10-05-88	505	16
				10-27-88	571	20
				12-01-88	569	22
				12-28-88	561	26
				01-26-89	574	26
				02-23-89	570	22
				03-28-89	583	22
				05-02-89	580	20
				05-31-89	573	22
				06-27-89	618	18
				08-29-89	585	20
261537081461201	C -1057	26 15 37 N	081 46 12 W	10-24-88	785	92
				04-24-89	760	60
261537081461202	C -1058			10-24-88	1690	280
				04-24-89	1770	300
261604081480901	C -1059	26 16 04 N	081 48 09 W	10-26-88	676	26
				04-26-89	530	20

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261620081450201	C - 998	26 16 20 N	081 45 02 W	10-04-88	632	140
				10-24-88	641	140
				11-15-88	626	140
				11-29-88	621	140
				12-12-88	610	140
				12-27-88	614	140
				01-09-89	607	140
				01-24-89	612	140
				02-13-89	602	140
				02-22-89	1460	210
				03-13-89	1330	200
				03-29-89	1050	170
				04-13-89	632	130
				04-24-89	620	130
				05-15-89	633	140
				06-01-89	610	130
				06-12-89	633	130
				06-28-89	636	130
				07-10-89	640	130
				08-28-89	607	140
261620081450701	C - 384	26 16 20 N	081 45 05 W	10-24-88	584	4.0
				04-24-89	650	26
261620081464401	C -1004	26 16 20 N	081 46 44 W	10-24-88	2350	460
				11-15-88	2140	460
261620081464401	C -1004	26 16 20 N	081 46 44 W	11-29-88	2170	480
				12-12-88	2320	480
				12-27-88	2110	420
				01-09-89	2270	460
				01-24-89	2430	460
				02-13-89	2210	440
				02-22-89	2230	440
				03-13-89	2240	450
				03-29-89	2280	440
				04-13-89	2310	460
				04-24-89	2280	430
				05-15-89	2230	440
				06-01-89	2130	400
				06-12-89	2190	430
				07-10-89	2190	420
261621081412302	C - 303	26 16 21 N	081 41 23 W	10-27-88	2240	560
				04-27-89	2200	620
261630081360001	C - 304	26 16 35 N	081 36 13 W	10-25-88	643	42
				04-24-89	650	44
261721081351301	C - 970	26 17 21 N	081 35 13 W	10-25-88	490	6.0
261721081351303	C - 971			10-25-88	630	36
				04-24-89	630	38
261733081285501	C - 984	26 17 33 N	081 28 55 W	10-25-88	720	34
				05-02-89	700	38
261733081285502	C - 989			10-25-88	1390	200
				05-02-89	1380	190
261733081285503	C - 985			10-25-88	639	36
				05-02-89	680	42
261740081235401	C - 684	26 17 40 N	081 23 54 W	10-26-88	3130	140
				04-24-89	3130	150
261740081235402	C - 689			10-26-88	689	68
				04-24-89	730	74
261740081235403	C -1073			10-26-88	563	42
				05-02-89	590	38

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

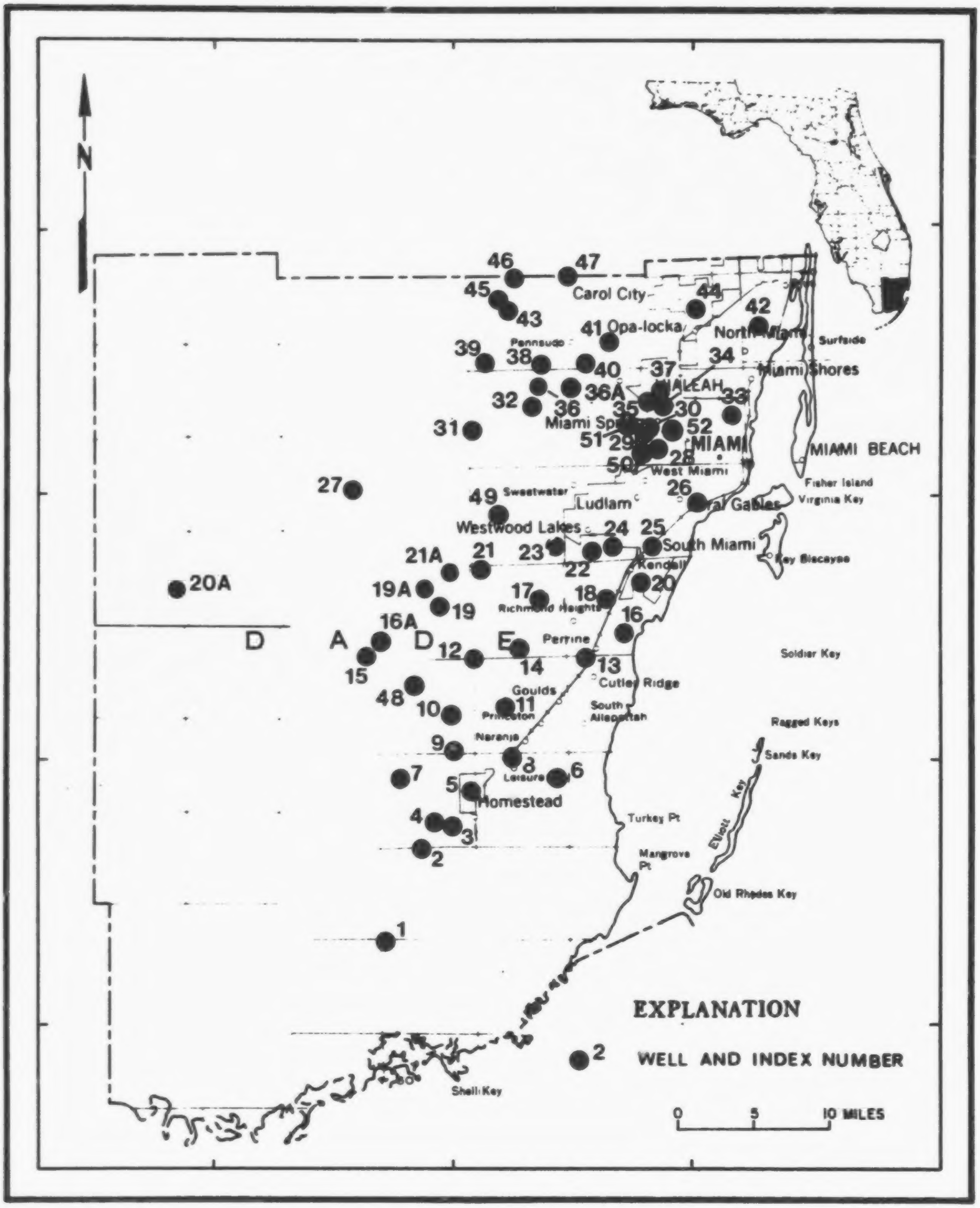
STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261741081235401	C - 503	26 17 41 N	081 23 54 W	10-05-88	555	42
				10-26-88	564	46
				11-28-88	561	44
				12-27-88	554	46
				01-24-89	568	46
				02-24-89	563	44
				03-30-89	570	44
				04-24-89	550	44
				05-31-89	550	40
				06-26-89	630	40
261802081354801	C - 688	26 18 02 N	081 35 48 W	10-25-88	707	42
				04-24-89	700	42
261805081473301	C -1082	26 18 05 N	081 47 33 W	10-26-88	50	6.0
				04-27-89	140	6.0
				06-27-89	35	6.0
261805081473302	C -1083			10-26-88	1780	380
				01-25-89	3090	720
				02-13-89	2310	500
				02-23-89	3100	740
				03-13-89	2990	720
				03-30-89	2140	460
				04-13-89	3180	720
				04-27-89	2600	570
				05-15-89	3190	720
				06-02-89	2100	480
				06-12-89	3190	720
				07-10-89	2190	460
261823081171901	C -1071	26 18 23 N	081 17 19 W	10-26-88	555	18
				05-02-89	670	56
261823081171902	C -1072			10-26-88	1220	130
				05-02-89	1150	120
262121081355501	C - 978	26 21 21 N	081 35 55 W	10-25-88	1430	240
				04-24-89	1180	180
262121081355502	C - 963			10-25-88	422	22
				04-24-89	420	24
262121081355503	C - 979			10-25-88	703	50
				04-24-89	700	54
262136081204201	C - 966	26 21 36 N	081 20 42 W	10-26-88	520	16
				04-25-89	530	26
262136081204202	C - 965			10-26-88	1160	200
				04-25-89	1090	200
262158081283401	C - 981	26 21 58 N	081 28 34 W	10-25-88	618	34
				04-24-89	660	42
262158081283402	C - 983			10-25-88	4870	740
				04-24-89	4700	780
262158081283403	C - 982			10-25-88	502	28
				04-24-89	540	32
262158081283404	C -1079			10-25-88	665	38
				04-24-89	650	38
262228081361901	C - 492	26 22 23 N	081 36 20 W	10-25-88	887	76
				04-24-89	1770	330
				06-01-89	1630	340
262228081361902	C -1080	26 22 28 N	081 36 19 W	10-25-88	441	20
				04-24-89	440	20

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
262505081245301	C - 258	26 25 04 N	081 24 59 W	10-25-88	4140	1000
				04-24-89	3950	1000
262507081235201	C - 298	26 25 07 N	081 23 52 W	10-26-88	449	34
				04-24-89	700	84
262519081162102	C -1074	26 25 19 N	081 16 21 W	10-26-88	976	98
				05-02-89	920	98
262521081161901	C - 131	26 25 21 N	081 16 19 W	10-04-88	861	66
				10-26-88	861	68
				11-28-88	844	74
				12-27-88	846	74
				01-24-89	889	80
				02-24-89	860	76
				03-30-89	860	74
				04-24-89	870	70
				06-02-89	776	70
				06-29-89	822	68
				08-31-89	826	70
262554081283801	C - 687	26 25 54 N	081 28 38 W	10-26-88	880	120
				04-24-89	700	42
				04-24-89	690	68
262555081242501	C - 363	26 25 55 N	081 24 25 W	10-26-88	404	22
				04-24-89	440	22
262558081270501	C -1078	26 25 58 N	081 27 05 W	10-26-88	210	8.0
				04-24-89	220	6.0
262724081260701	C - 462	26 27 24 N	081 26 07 W	10-26-88	476	34
				04-24-89	640	32
262822081213201	C -1075	26 28 22 N	081 21 32 W	10-27-88	729	74
				04-24-89	690	72
262822081213202	C -1076			10-27-88	848	86
				04-24-89	810	90
262822081213203	C -1077			10-27-88	2100	440
				04-24-89	1600	330
262859081273001	C - 531	26 28 59 N	081 27 30 W	10-25-88	586	36
				04-24-89	630	42
				07-10-89	1040	200
262859081273002	C - 532			10-25-88	521	14
				04-24-89	500	36

KEY TO SITE LOCATIONS ON FIGURE 6
DADE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	251922080340701	G 1251	150
2	252425080320001	G 613	150
3	252612080300701	G 864	151
4	252619080310201	G 864A	151
5	252829080285101	F 358	152
6	252918080234201	G 1183	152
7	252928080332401	G 789	153
8	253012080261401	G 1486	153
9	253029080295601	S 196A	154
10	253233080301001	G 1363	154
11	253258080264301	G 614	155
48	253408080340401	G 3437	155
12	253537080284401	G 757A	156
13	253549080214101	S 182A	156
14	263630080264801	G 1362	157
15	252656080350301	G 1502	157
16	253718080192301	G 860	158
16A	253748080343401	G 3273	158
19	253937080304001	G 596	159
17	253854080242801	G 858	159
18	253902080202501	G 553	160
20	254000080181001	G 580A	160
20A	254000080460001	G 620	161
21	254038080280201	G 855	161
21A	254054080295401	G 1487	162
23	254130080234501	G 551	162
22	854157080214001	G 3073	163
22	254157080214002	G 3074	163
24	254215080201503	G 1074B	164
25	254217080171801	F 319	164
49	254421080260201	G 3439	165
26	254444080144801	F 179	165
27	254500080360001	G 618	166
28	254741080162101	G 3328	166
29	254752080181501	G 3329	167
28	254823080163701	G 3327	167
50	254823080175201	G 3465	168
29	254832080175001	S 19	168
51	254834080171601	G 3466	169
52	254839080162301	G 3467	169
30	254857080171101	S 68	170
31	254830080284201	G 1488	170
32	255023080202301	G 976	171
33	254943080121501	F 45	171
34	254950080171202	G 1368A	172
35	254950080180801	G 3	172
37	255008080161801	F 239	173
36	255026080240302	G 3259A	173
36A	255027080221602	G 3264A	174
36	255027080245501	G 3253	174
38	255207080241301	G 974	175
39	255208080274001	G 975	175
40	255209080212801	G 973	176
40	255250080270801	G 594	176
41	255342080195501	G 1166	177
42	255437080103201	G 852	177
43	255522080261401	G 972	178
44	255526080143001	S 18	178
45	255600080270001	G 968	179
46	255707080255001	G 1637	179
47	255709080223701	G 970	180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Opa-locka
North Miami
Surfside
Miami Shores
HIALEAH
Miami Springs
MIAMI
MIAMI BEACH
West Miami
Fisher Island
Virginia Key
Sweetwater
Ludlam
Coral Gables
Westwood Lakes
South Miami
Key Biscayne
Kendall
Richmond Heights
Perrine
Soldier Key
Cutler Ridge
Goulds
Princeton
South Allapattah
Ragged Keys
Naranja
Sands Key
Leisure City
Homestead
Elliott Key
Turkey Pt
Mangrove Pt
Old Rhodes Key
Shell Key
Pennsuco
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EXPLANATION
2 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 6. Location of wells in Dade County.

WELL NUMBER.--251922080340701. Local Number G 1251. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°19'16", long 80°33'57", in NE¼SW¼ sec.6, T.59 S., R.38 E., Hydrologic Unit 03090202, 2.5 mi southwest of S-18-C, 5.4 mi south of State Highway 27, 7 mi west of U.S. Highway 1, and 11.0 mi southwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59 ft, cased to 5 ft.

REVISIONS.--WDR FL-84-2B: 1983.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 2.79 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1984, land-surface datum was considered to be 2.99 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1984 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.32 ft NGVD, Aug. 15-16, 1988; lowest, 1.76 ft below NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.63	2.26	1.83	1.47	1.36	.81	1.72	1.06	.75	2.02	2.05	2.30
10	2.69	2.25	1.76	1.66	1.21	1.12	1.23	1.12	.62	1.97	2.09	2.25
15	2.54	2.17	1.69	1.54	1.11	.87	1.07	.77	.41	1.82	2.21	2.15
20	2.42	2.09	1.60	1.43	.98	.78	1.42	1.82	.09	2.01	2.18	2.25
25	2.32	2.00	1.57	1.58	.94	.61	1.11	1.79	.33	1.99	2.14	2.20
EOM	2.20	1.94	1.52	1.49	.89	1.95	.76	1.26	1.55	2.15	2.43	2.13
MEAN	2.49	2.13	1.69	1.52	1.14	.87	1.34	1.35	.59	1.99	2.14	2.24
MAX	2.72	2.31	1.92	1.66	1.45	1.95	1.95	1.87	1.55	2.16	2.43	2.43
MIN	2.20	1.94	1.52	1.40	.87	.51	.76	.73	.09	1.82	2.01	2.13

WTR YR 1989 MEAN 1.63 MAX 2.72 OCT 7 AND OTHERS MIN .09 JUN 20

WELL NUMBER.--252425080320001. Local Number G 613. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°24'25", long 80°32'00", in NW¼SW¼ in sec.3, T.58 S., R.38 E., Hydrologic Unit 03090202, on north side of State Highway 27, and 3 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21 ft, cased to 18 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.11 ft NGVD, Sept. 23, 1960; lowest, 1.49 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.57	2.34	1.97	1.91	1.69	1.49	2.05	1.87	1.34	2.72	2.28	2.46
10	2.77	2.38	1.99	1.94	1.58	1.78	1.78	1.94	1.27	2.25	2.36	2.17
15	2.59	2.27	1.95	1.96	1.57	1.59	1.53	1.44	.99	2.21	2.38	2.19
20	2.42	1.99	1.88	1.89	1.49	1.52	1.61	2.00	.77	2.54	2.78	2.58
25	2.31	1.93	1.90	2.11	1.52	1.32	1.52	2.04	1.17	2.35	2.39	2.45
EOM	2.32	1.91	1.98	1.82	1.51	2.14	1.74	1.76	3.44	2.45	2.44	2.35
MEAN	2.77	2.18	1.95	1.96	1.59	1.53	1.73	1.87	1.35	2.49	2.42	2.39
MAX	4.57	2.48	2.02	2.13	1.78	2.14	2.20	2.23	3.44	3.16	2.78	2.67
MIN	2.24	1.91	1.87	1.82	1.46	1.16	1.46	1.40	.77	2.21	2.21	2.05

WTR YR 1989 MEAN 2.02 MAX 4.57 OCT 5 MIN .77 JUN 19 AND OTHERS

DADE COUNTY

WELL NUMBER.--252612080300701. Local Number G 864. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'12", long 80°30'07", in SE¼SW¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, near Florida Keys Aqueduct Authority well field, on State Highway 27, 0.5 mi south of Southwest 352nd Street, and 2 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.47 ft above land-surface datum.

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.40 ft NGVD estimated, Aug. 18, 1981; lowest, 1.20 ft below NGVD, May 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.65	2.34	2.01	1.96	1.87	1.64	1.96	2.01	1.60	3.32	2.46	3.12
10	3.40	2.30	2.00	1.97	1.83	1.96	1.79	2.18	1.68	2.65	2.77	2.73
15	2.87	2.19	1.99	2.02	1.78	1.75	1.63	1.71	1.38	2.39	3.28	2.52
20	2.67	2.04	1.94	1.95	1.68	1.67	1.98	2.25	1.09	2.87	3.81	3.25
25	2.51	1.97	2.04	2.21	1.64	1.49	1.95	2.18	1.55	2.75	3.13	2.87
EOM	2.32	1.97	2.00	1.95	1.64	1.63	2.06	1.92	3.03	2.68	3.49	2.62
MEAN	3.24	2.16	1.99	2.02	1.77	1.67	1.87	2.07	1.67	2.85	3.03	2.91
MAX	5.65	2.43	2.05	2.23	1.93	1.96	2.06	2.30	3.03	3.40	3.81	3.51
MIN	2.32	1.95	1.94	1.94	1.61	1.38	1.63	1.71	1.09	2.39	2.35	2.52

WTR YR 1989 MEAN 2.28 MAX 5.65 OCT 5 MIN 1.09 JUN 20

WELL NUMBER.--252619080310201. Local Number G 864A. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'08", long 80°30'32", in NW¼NW¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, in Navy well field, 0.25 mi west of S.W. 192nd Avenue, 0.5 mi south of S.W. 352nd Street, and 2.1 mi southwest of Florida City (revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geological Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 20 ft, cased to 7 ft.

REVISED RECORDS.--WDR FL-85-2B: 1982.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.49 ft above National Geodetic Vertical Datum of 1929. From Oct. 1, 1982 to Sept. 30, 1984, land-surface datum was considered to be 8.88 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of shelter base, 0.91 ft above land-surface datum.

PERIOD OF RECORD.-- January 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD from Oct. 1, 1982 to Sept. 30, 1984 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.41 ft NGVD, Aug. 18, 1981; lowest, 1.11 ft below NGVD, May 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.88	2.32	1.98	1.93	1.82	1.48	1.77	1.85	1.50	3.19	2.37	2.98
10	3.37	2.28	1.96	1.92	1.82	2.04	2.12	1.94	1.60	2.57	2.68	2.62
15	2.72	2.21	1.96	1.97	1.72	1.55	1.51	1.64	1.44	2.30	3.20	2.56
20	2.68	2.01	1.87	1.89	1.60	1.47	1.82	2.12	1.01	2.97	3.94	3.03
25	2.61	1.93	2.02	2.18	1.44	1.31	1.83	2.06	1.44	2.74	3.21	2.69
EOM	2.31	1.92	1.96	1.89	1.45	1.33	1.68	1.80	2.91	2.65	3.37	2.56
MEAN	3.22	2.12	1.96	1.98	1.68	1.51	1.74	1.93	1.60	2.79	2.97	2.80
MAX	5.88	2.40	2.15	2.19	1.87	2.04	2.12	2.12	2.91	3.38	3.94	3.51
MIN	2.31	1.88	1.87	1.86	1.40	1.23	1.48	1.64	1.01	2.30	2.15	2.39

WTR YR 1989 MEAN 2.20 MAX 5.88 OCT 5 MIN 1.01 JUN 20

WELL NUMBER.--252829080285101. Local Number F 358. USGS Observation Well at Homestead, FL.

LOCATION.--Lat 25°28'29", long 80°28'51", in NE¼NE¼ sec.13, T.57 S., R.38 E., Hydrologic Unit 03090202, at Northwest 6th Street and 2nd Avenue in Homestead, and 0.2 mi west of Krome Ave.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 6 in., depth 54 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.23 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 13-20, July 8-26, and Sept. 9-30, 1989 water year.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.19 ft NGVD, Oct. 5, 1948; lowest, 1.18 ft below NGVD, June 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.37	2.57	2.30	2.33	2.27	2.04	2.14	2.36	1.96	3.66	2.85	3.46
10	3.57	2.49	2.28	2.30	2.23	2.24	2.08	2.34	2.01	2.83	3.56	3.21
15	3.14	2.37	2.29	2.35	2.20	2.16	1.97	2.10	1.75	2.55	3.71	3.01
20	2.98	2.32	2.26	2.28	2.11	2.08	2.33	2.47	1.54	3.48	3.88	3.39
25	2.80	2.26	2.37	2.50	2.12	1.95	2.42	2.47	1.72	3.25	3.43	3.25
EOM	2.58	2.25	2.37	2.33	2.05	1.89	2.44	2.24	2.58	3.03	3.66	3.07
MEAN	3.28	2.40	2.30	2.36	2.19	2.07	2.20	2.36	1.92	3.10	3.40	3.26
MAX	4.38	2.59	2.39	2.51	2.30	2.24	2.47	2.47	2.58	3.66	3.96	3.64
MIN	2.58	2.24	2.25	2.28	2.04	1.86	1.97	2.10	1.54	2.55	2.76	2.93

WTR YR 1989 MEAN 2.58 MAX 4.38 OCT 6 MIN 1.54 JUN 20

WELL NUMBER.--252918080234201. Local Number G 1183. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'18", long 80°23'42", in SW¼NW¼ sec.12, T.57 S., R.39 E., Hydrologic Unit 03090202, in Homestead Air Force Base, 3.0 mi southeast of U.S. Highway 1, and 5.0 mi east of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 47 ft.

INSTRUMENTATION.--Water-level recorder.

REMARKS.--Water levels estimated from Aug. 26-29, 1989 water year.

DATUM.--Land-surface datum is 6.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973, are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.59 ft NGVD, August 18, 1981; lowest, 0.83 ft below NGVD, May 12, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.79	2.07	1.88	1.92	1.91	1.76	1.92	1.98	1.85	2.46	2.33	2.46
10	2.68	1.78	1.91	1.95	1.89	1.91	1.77	1.94	2.00	2.40	2.86	2.70
15	2.45	1.85	1.90	1.91	1.85	1.86	1.67	1.83	1.58	2.47	2.69	2.38
20	2.06	1.76	1.91	1.90	1.78	1.79	2.07	2.42	1.33	2.41	3.08	2.50
25	1.88	1.84	1.93	1.96	1.81	1.76	1.97	2.32	1.74	2.45	2.50	2.37
EOM	1.78	1.89	1.91	1.94	1.78	1.89	1.95	2.15	2.73	2.38	2.40	2.35
MEAN	2.36	1.85	1.91	1.93	1.85	1.80	1.93	2.21	1.87	2.45	2.65	2.48
MAX	3.55	2.20	1.94	2.05	1.91	1.94	2.30	3.17	2.73	2.84	3.24	2.92
MIN	1.78	1.71	1.88	1.90	1.78	1.57	1.66	1.74	1.33	2.37	2.32	2.32

WTR YR 1989 MEAN 2.11 MAX 3.55 OCT 2 MIN 1.33 JUN 20

DADE COUNTY

WELL NUMBER.--252928080332401. Local Number G 789. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'28", long 80°33'24", in SE¼SE¼ sec.6, T.57 S., R.38 E., Hydrologic Unit 03090202, at Homestead General Airport on north side of Avocado Drive, 3.5 mi northwest of Homestead, and 4.0 mi west of Krome Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.33 ft above National Geodetic Vertical Datum of 1929 (corrected). Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1956 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.73 ft NGVD, Aug. 18, 1981; lowest, 0.90 ft below NGVD, May 8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.69	3.35	3.24	3.10	3.04	2.76	2.79	2.87	2.32	4.02	3.49	4.09
10	3.86	3.25	3.16	3.17	3.02	2.98	2.81	2.87	2.42	3.31	4.23	3.84
15	4.02	3.18	3.10	3.16	2.97	2.84	2.68	2.64	2.18	3.40	4.15	3.62
20	3.98	3.10	3.02	3.02	2.86	2.76	2.98	2.85	2.01	3.79	4.18	3.96
25	3.92	3.02	3.20	3.24	2.80	2.65	2.98	2.68	2.02	4.04	4.03	3.89
EOM	3.39	2.99	3.18	3.03	2.71	2.62	2.82	2.52	3.24	3.77	4.96	3.54
MEAN	4.04	3.18	3.15	3.13	2.94	2.76	2.88	2.76	2.31	3.70	4.03	3.94
MAX	5.42	3.38	3.24	3.33	3.05	2.98	3.53	2.92	3.24	4.08	5.19	5.51
MIN	3.39	2.95	3.02	3.01	2.71	2.50	2.68	2.52	2.01	3.17	3.44	3.54

WTR YR 1989 MEAN 3.24 MAX 5.51 SEP 1 MIN 2.01 JUN 20

WELL NUMBER.--253012080261401. Local Number G 1486. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'12", long 80°26'14", in NE¼NW¼ sec.4, T.47 S., R.39 E., Hydrologic Unit 03090202, 50 ft west of Newton Road, 1000 ft south of Waldin Drive, 0.3 mi east of U.S. Highway 1, and 3.0 mi northeast of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Jan. 1-26, 1989 water year.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.87 ft NGVD, Aug. 18, 1981; lowest, 0.82 ft below NGVD, May 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.75	2.45	2.14	2.18	2.20	1.99	2.03	2.26	1.96	3.14	2.73	3.29
10	3.43	2.32	2.15	2.15	2.15	2.14	1.97	2.18	2.02	2.96	2.98	3.04
15	3.03	2.25	2.16	2.20	2.11	2.07	1.87	1.98	1.75	2.75	3.70	2.83
20	2.76	2.17	2.14	2.13	2.04	2.01	2.29	2.54	1.51	2.86	3.74	3.03
25	2.57	2.13	2.23	2.35	2.04	1.96	2.31	2.38	1.69	2.90	3.27	2.86
EOM	2.39	2.14	2.23	2.26	2.00	1.87	2.31	2.23	2.55	2.83	3.02	2.76
MEAN	3.05	2.26	2.17	2.22	2.11	2.01	2.10	2.32	1.91	2.87	3.20	3.03
MAX	3.78	2.47	2.25	2.36	2.24	2.15	2.35	2.58	2.55	3.18	3.74	3.37
MIN	2.39	2.12	2.14	2.13	1.99	1.81	1.87	1.98	1.51	2.58	2.67	2.76

WTR YR 1989 MEAN 2.44 MAX 3.78 OCT 2 AND OTHERS MIN 1.51 JUN 20 AND OTHERS

DADE COUNTY

WELL NUMBER.--253029080295601. Local Number S 196A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'29", long 80°29'56", in SW¼SE¼ sec.35, T.56 S., R.38 E., Hydrologic Unit 03090202, at University of Florida Experiment Station on Waldin Drive, 3.3 mi northwest of Homestead, and 4.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of nail in recorder shelf, 2.96 ft above land-surface datum.

PERIOD OF RECORD.--January 1932 to current year. Records of water levels prior to January 1956 were published under well number S 196.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.63 ft NGVD, Aug. 18, 1981; lowest, 1.64 ft below NGVD, May 20, 1971 (corrected).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.81	3.19	2.91	3.07	2.97	2.67	2.57	2.91	2.36	3.70	3.46	4.12
10	4.15	3.13	2.89	2.98	2.91	2.83	2.63	2.85	2.34	3.46	4.01	3.78
15	3.81	3.04	2.89	3.05	2.88	2.75	2.57	2.64	2.17	3.37	4.23	3.56
20	3.66	2.97	2.89	2.95	2.79	2.68	2.87	2.82	1.98	3.68	4.33	3.79
25	3.56	2.89	3.07	3.14	2.76	2.56	2.94	2.72	2.00	3.82	4.00	3.73
EOM	3.28	2.82	3.10	3.02	2.69	2.42	2.81	2.57	2.59	3.69	3.93	3.46
MEAN	3.93	3.03	2.94	3.05	2.86	2.66	2.72	2.78	2.23	3.59	3.93	3.79
MAX	4.82	3.23	3.10	3.14	3.00	2.83	2.94	2.94	2.59	3.84	4.33	4.18
MIN	3.28	2.82	2.83	2.94	2.68	2.42	2.46	2.57	1.95	2.84	3.41	3.46

WTR YR 1989 MEAN 3.13 MAX 4.82 OCT 6 MIN 1.95 JUN 21

WELL NUMBER.--253233080301001. Local Number G 1363. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'33", long 80°30'10", in SW¼NE¼ sec.23, T.56 S., R.38 E., Hydrologic Unit 03090202, on Albury Drive, 1.5 mi west of State Highway 27, and 5.4 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 12 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-5, June 9-29, July 8-21, and Aug. 25 - Sept. 19, 1989 water year.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.80 ft NGVD (estimated), Aug. 18, 1981; lowest, 0.70 ft below NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.95	3.54	3.24	3.41	3.36	3.02	2.85	3.20	2.63	4.17	3.77	4.36
10	4.47	3.45	3.25	3.37	3.34	3.16	2.94	3.08	2.48	3.83	4.04	4.09
15	4.12	3.37	3.27	3.38	3.32	3.11	2.87	2.91	2.32	3.70	4.45	3.82
20	3.93	3.34	3.24	3.36	3.28	3.01	3.06	2.98	2.16	4.05	4.52	3.98
25	3.83	3.26	3.35	3.48	3.17	2.92	3.16	2.94	2.20	4.14	4.37	3.93
EOM	3.62	3.19	3.41	3.38	3.07	2.81	3.06	2.82	2.63	3.95	4.17	3.75
MEAN	4.21	3.39	3.28	3.39	3.29	3.02	2.97	3.01	2.41	3.89	4.17	4.03
MAX	4.98	3.57	3.41	3.48	3.37	3.17	3.16	3.21	2.79	4.18	4.53	4.38
MIN	3.62	3.19	3.19	3.33	3.06	2.81	2.78	2.82	2.14	2.79	3.68	3.75

WTR YR 1989 MEAN 3.42 MAX 4.98 OCT 6 MIN 2.14 JUN 22

DADE COUNTY

WELL NUMBER.--253258080264301. Local Number G 614. USGS Observation Well at Goulds, FL.

LOCATION.--Lat 25°32'58", long 80°26'43", in NW¼NW¼ sec.21, T.56 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of Newton Road and Silver Palm Drive in Goulds, and 3.0 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 18 ft.

REVISED RECORDS.--WDR FL-85-2B: 1981.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 11.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.04 ft NGVD, Aug. 18, 1981; lowest, 0.62 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.30	2.89	2.53	2.64	2.71	2.42	2.19	2.46	2.17	3.10	3.20	4.04
10	4.04	2.83	2.55	2.61	2.67	2.52	2.22	2.37	2.11	3.41	3.18	3.53
15	3.62	2.74	2.59	2.63	2.62	2.47	2.16	2.23	1.97	3.11	3.80	3.30
20	3.35	2.69	2.56	2.61	2.54	2.39	2.34	2.64	1.83	3.23	3.85	3.36
25	3.15	2.62	2.61	2.75	2.52	2.31	2.52	2.56	1.76	3.39	3.73	3.27
EOM	2.94	2.57	2.65	2.76	2.45	2.19	2.43	2.41	2.22	3.33	3.40	3.14
MEAN	3.61	2.74	2.57	2.67	2.61	2.40	2.30	2.48	2.01	3.21	3.52	3.48
MAX	4.30	2.92	2.65	2.78	2.75	2.52	2.52	2.64	2.36	3.45	3.88	4.08
MIN	2.94	2.57	2.52	2.60	2.43	2.19	2.15	2.23	1.74	2.39	3.11	3.14

WTR YR 1989 MEAN 2.80 MAX 4.30 OCT 5 MIN 1.74 JUN 24

WELL NUMBER.--253400080340401. Local Number G 3437. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°34'00", Long 80°34'04", in SE¼SW¼ sec.7, T.56 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi west of Levee 31, 0.2 mi north of S.W. 216th Ave. and 10 mi northwest of Homestead. Owner: U.S. Geological Survey.

AQUIFER.--Biscayne limestone Aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 12.5 ft, cased to 12.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 6.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.23 ft NGVD, Aug. 16, 17, 1988; lowest, 2.50 ft NGVD, June 19, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.96	4.72	4.33	4.13	3.99	3.59	3.22	3.46	2.71	5.43	4.67	5.06
10	5.42	4.59	4.30	4.15	3.90	3.77	3.50	3.27	2.93	4.51	4.73	4.85
15	5.24	4.56	4.24	4.22	3.85	3.61	3.44	3.12	2.65	4.92	5.30	4.47
20	5.14	4.50	4.15	4.03	3.80	3.52	3.40	3.25	2.85	5.67	5.34	4.97
25	5.05	4.37	4.23	4.24	3.78	3.37	3.48	3.11	2.80	4.96	5.03	4.81
EOM	4.81	4.30	4.18	4.09	3.63	3.22	3.43	2.94	4.28	5.23	5.67	4.49
MEAN	5.37	4.54	4.25	4.16	3.87	3.54	3.40	3.22	2.91	5.01	4.98	4.85
MAX	6.45	4.81	4.33	4.34	4.05	3.77	3.50	3.51	4.28	5.74	5.67	5.42
MIN	4.81	4.30	4.13	4.03	3.63	3.22	3.22	2.94	2.50	4.37	4.48	4.45

WTR YR 1989 MEAN 4.18 MAX 6.45 OCT 2 MIN 2.50 JUN 19

DADE COUNTY

WELL NUMBER.--253537080284401. Local Number G 757A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°35'37", long 80°28'44", in NE¼NE¼ sec.1, T.56 S., R.38 E., Hydrologic Unit 03090202, at southwest corner of Eureka Drive and Krome Avenue, and 8.7 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 122 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1956 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.60 ft NGVD, Sept. 10, 1960; lowest, 0.00 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.99	3.95	3.68	3.93	3.92	3.54	3.21	3.44	2.92	4.20	3.92	4.53
10	4.78	3.91	3.85	3.88	3.89	3.60	3.33	3.33	2.87	4.00	3.88	4.28
15	4.57	3.85	3.89	3.94	3.85	3.55	3.25	3.16	2.77	3.88	4.35	4.03
20	4.35	3.77	3.85	3.89	3.74	3.49	3.41	3.37	2.62	4.09	4.32	4.14
25	4.20	3.72	3.92	4.04	3.66	3.39	3.49	3.33	2.57	4.16	4.36	4.12
EOM	4.01	3.62	3.94	3.95	3.56	3.27	3.39	3.13	3.15	4.04	4.24	3.98
MEAN	4.51	3.83	3.84	3.94	3.81	3.49	3.34	3.32	2.79	4.04	4.16	4.20
MAX	5.06	3.98	3.95	4.05	3.93	3.61	3.49	3.45	3.15	4.25	4.42	4.55
MIN	4.01	3.62	3.63	3.88	3.56	3.27	3.21	3.13	2.56	3.47	3.85	3.98

WTR YR 1989 MEAN 3.77 MAX 5.06 OCT 6 MIN 2.56 JUN 26

WELL NUMBER.--253549080214101. Local Number S 182A. USGS Observation Well near Peters, FL.

LOCATION.--Lat 25°35'49", long 80°21'41", in NW¼NW¼ sec.5, T.56 S., R.40 E., Hydrologic Unit 03090202, north of Quail Roost Drive, 0.4 mi west of U.S. Highway 1, 0.5 mi west of Peters, and 16.4 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 51 ft.

REVISIONS.--WDR FL-84-2B: 1983.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 11.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.39 ft above land-surface datum.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.70 ft NGVD, Sept. 10, 1960; lowest, 0.44 ft below NGVD, June 21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.69	2.63	2.36	2.26	2.37	2.07	2.00	2.00	2.10	2.54	2.56	2.68
10	2.80	2.43	2.31	2.25	2.33	2.11	1.95	1.88	2.11	2.71	2.59	2.65
15	2.74	2.45	2.28	2.26	2.25	2.08	1.98	3.20	1.92	2.72	2.55	2.60
20	2.38	2.45	2.26	2.26	2.17	2.03	2.17	2.66	1.77	2.69	2.75	2.59
25	2.55	2.48	2.33	2.42	2.13	2.04	2.23	2.56	1.84	2.66	2.75	2.53
EOM	2.56	2.42	2.30	2.41	2.10	1.94	2.09	2.15	2.67	2.60	2.98	2.49
MEAN	2.65	2.49	2.32	2.31	2.25	2.05	2.06	2.28	2.05	2.69	2.62	2.60
MAX	2.83	2.82	2.42	2.43	2.40	2.11	2.25	3.20	2.67	2.84	2.98	2.80
MIN	2.38	2.42	2.26	2.25	2.10	1.94	1.89	1.79	1.70	2.54	2.43	2.46

WTR YR 1989 MEAN 2.37 MAX 3.20 MAY 15 MIN 1.70 JUN 23

DADE COUNTY

WELL NUMBER.--263630080264801. Local Number G 1362. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°36'30", long 80°26'48", in NW¼NW¼ sec.33, T.55 S., R.39 E., Hydrologic Unit 03090202, 30 ft east of SW 157th Avenue, 1.0 mi north of Eureka Drive, 2.0 mi east of State Highway 27, and 5 mi west of Perrine.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 11 ft.

REVISED RECORDS.--WDR FL-85-2B: 1980.

INSTRUMENTATION.-- Water-level recorder.

DATUM.--Land-surface datum is 11.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.35 ft NGVD, estimated, Aug. 18, 1981; lowest, 0.29 ft NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.58	3.92	3.48	3.72	3.99	3.31	3.01	3.12	2.87	3.81	3.74	4.28
10	4.83	3.91	3.60	3.74	3.85	3.35	3.11	3.04	2.75	3.98	3.66	4.11
15	4.58	3.82	3.67	3.85	3.68	3.30	3.03	3.04	2.66	3.80	3.94	3.88
20	4.34	3.72	3.64	3.86	3.53	3.25	3.06	3.25	2.53	3.89	4.08	3.86
25	4.14	3.65	3.68	4.04	3.46	3.17	3.21	3.22	2.46	3.99	4.26	3.87
EOM	3.98	3.48	3.71	3.97	3.37	3.07	3.13	3.06	2.86	3.85	4.07	3.76
MEAN	4.43	3.78	3.61	3.85	3.70	3.26	3.10	3.13	2.68	3.84	3.96	3.98
MAX	4.84	3.96	3.72	4.04	3.99	3.35	3.21	3.26	3.02	4.01	4.27	4.28
MIN	3.98	3.48	3.44	3.71	3.37	3.07	3.01	2.96	2.46	3.09	3.65	3.76

WTR YR 1989 MEAN 3.61 MAX 4.84 OCT 9 MIN 2.46 JUN 24 AND OTHERS

WELL NUMBER.--252656080350301. Local Number G 1502. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°36'56", long 80°35'03", in NE¼SW¼ sec.25, T.55 S., R.37 E., Hydrologic Unit 03090202, in Grossman Hammock, and 11.5 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 31 ft, cased to 11 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.89 ft NGVD, Aug. 18, 1981; lowest, 0.49 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.81	6.06	5.40	4.86	4.51	3.97	3.76	3.74	2.84	6.22	5.59	5.93
10	6.80	5.95	5.35	4.83	4.40	4.05	4.05	3.50	2.93	5.85	6.08	5.72
15	6.71	5.84	5.24	4.83	4.28	3.90	3.80	3.32	2.71	5.60	6.10	5.24
20	6.58	5.71	5.11	4.69	4.16	3.74	3.65	3.61	2.57	5.78	6.26	5.64
25	6.42	5.65	5.11	5.04	4.13	3.63	3.87	3.33	2.98	5.82	6.18	5.38
EOM	6.20	5.49	5.00	4.66	4.03	3.46	3.79	3.05	5.12	6.05	5.92	5.10
MEAN	6.62	5.83	5.23	4.88	4.31	3.82	3.78	3.48	3.08	5.80	5.91	5.57
MAX	6.81	6.15	5.48	5.16	4.64	4.05	4.13	3.84	5.14	6.23	6.35	5.98
MIN	6.20	5.49	5.00	4.66	4.03	3.46	3.41	3.05	2.57	5.49	5.18	5.10

WTR YR 1989 MEAN 4.87 MAX 6.81 OCT 3 AND OTHERS MIN 2.57 JUN 20

DADE COUNTY

WELL NUMBER.--253718080192301. Local Number G 860. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°37'18", long 80°19'23", in SW¼NE¼ sec.27, T.55 S., R.40 E., Hydrologic Unit 03090202, at Kahn Road and Southwest 160th Street, 1.2 mi east of U.S. 1, 1.7 mi northeast of Perrine, and 13 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.53 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.45 ft NGVD, Sept. 23, 1960; lowest, 0.38 ft NGVD, May 22, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.95	2.59	2.24	2.06	2.06	1.83	1.78	1.78	1.93	3.30	2.48	2.86
10	2.98	2.53	2.17	2.05	2.04	1.92	1.72	1.61	1.90	2.92	2.41	2.86
15	2.84	2.50	2.13	2.02	1.98	1.90	1.63	2.78	1.71	2.77	2.48	2.72
20	2.69	2.45	2.09	1.99	1.92	1.81	1.84	2.74	1.54	2.71	3.41	2.69
25	2.55	2.40	2.20	2.15	1.90	1.82	1.92	2.50	2.30	2.68	3.26	2.61
EOM	2.48	2.32	2.12	2.13	1.86	1.73	1.83	2.15	3.44	2.60	2.92	2.50
MEAN	2.77	2.48	2.17	2.07	1.99	1.84	1.79	2.16	2.05	2.87	2.79	2.73
MAX	3.00	2.61	2.30	2.17	2.13	1.93	1.93	2.79	3.44	3.44	3.42	2.90
MIN	2.48	2.32	2.08	1.99	1.86	1.73	1.63	1.53	1.49	2.60	2.39	2.50

WTR YR 1989 MEAN 2.31 MAX 3.44 JUN 30 AND OTHERS MIN 1.49 JUN 23

WELL NUMBER.--253748080343401. Local Number G 3273. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°37'48", long 80°34'34", in NE¼SE¼ Sec.24 T.55 S., R.37 E., Hydrologic Unit 03090202, on the west side of SW 237 Avenue, 1.5 mi north of SW 168th Street (Richmond Drive) and 12.5 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 7.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.47 ft NGVD, Aug. 20, 1988; lowest, 2.56 ft NGVD, June 20, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.77	6.02	5.44	4.94	4.59	4.00	3.96	3.81	2.87	6.27	5.50	5.91
10	6.81	5.95	5.39	4.87	4.46	4.12	4.12	3.55	2.95	5.83	5.77	5.68
15	6.72	5.83	5.28	4.88	4.34	3.95	3.83	3.35	2.74	5.61	5.85	5.19
20	6.56	5.73	5.12	4.76	4.22	3.81	3.74	3.81	2.56	5.72	6.19	5.54
25	6.39	5.69	5.11	5.06	4.17	3.69	3.89	3.43	2.93	5.69	6.01	5.35
EOM	6.16	5.56	5.03	4.73	4.09	3.51	3.96	3.10	5.22	5.94	5.92	5.01
MEAN	6.60	5.84	5.26	4.92	4.37	3.88	3.84	3.59	3.09	5.78	5.77	5.51
MAX	6.81	6.12	5.54	5.17	4.71	4.12	4.19	3.99	5.22	6.31	6.23	6.00
MIN	6.16	5.56	5.03	4.73	4.09	3.51	3.42	3.10	2.56	5.34	5.02	5.01

WTR YR 1989 MEAN 4.88 MAX 6.81 OCT 8 AND OTHERS MIN 2.56 JUN 20

DADE COUNTY

WELL NUMBER.--253937080304001. Local Number G 596. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°38'15", long 80°30'45", in SW¼SW¼ sec.14, T.55 S., R.38 E., Hydrologic Unit 03090202, on north side of Howard Drive, 2 mi west of Krome Avenue, and 15.5 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft, cased to 11 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum 7.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.31 ft above land-surface datum. Prior to Oct. 1, 1978 land-surface datum was considered to be 7.70 ft NGVD. See PERIOD OF RECORD. M.P. was considered to be 10.59 from Oct. 1, 1978 to Nov. 21, 1986. New well was drilled on Nov. 21, 1986

PERIOD OF RECORD.--January 1949 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.30 ft NGVD, Nov. 2, 1960; lowest, 0.56 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.61	5.12	4.94	4.81	4.83	4.42	4.36	4.24	3.43	6.71	4.55	5.18
10	5.96	5.08	4.89	4.76	4.88	4.60	4.41	4.07	3.65	4.72	4.56	4.66
15	5.50	4.91	4.85	4.81	4.73	4.43	4.13	3.89	3.36	4.29	4.89	4.33
20	5.29	4.80	4.78	4.79	4.55	4.33	4.20	4.25	3.31	4.99	5.48	4.62
25	5.12	4.76	4.91	4.87	4.52	4.27	4.25	3.96	3.66	4.58	4.94	4.50
EOM	5.11	4.85	4.86	4.77	4.42	4.06	4.40	3.66	5.39	4.59	5.70	4.24
MEAN	5.45	4.93	4.88	4.84	4.69	4.37	4.25	4.08	3.67	4.90	4.88	4.71
MAX	6.01	5.16	4.94	5.21	4.88	4.60	4.51	4.43	5.39	6.71	6.12	6.24
MIN	4.96	4.69	4.78	4.71	4.42	4.06	4.04	3.66	3.20	4.29	4.26	4.24

WTR YR 1989 MEAN 4.64 MAX 6.71 JUL 5 MIN 3.20 JUN 19

WELL NUMBER.--253854080242801. Local Number G 858. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°38'54", long 80°24'28", in SE¼NE¼ sec.15, T.55 S., R.39 E., Hydrologic Unit 03090202, at Lindgren Road and Southwest 128th Street, 6.0 mi west of U.S. Highway 1, and 18 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age. Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated July 12-28, 1989 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.47 ft NGVD, Sept. 10, 1960; lowest, 0.80 ft NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.07	3.89	3.42	3.40	3.62	2.94	2.66	2.72	2.87	3.89	3.34	3.85
10	4.37	3.88	3.44	3.41	3.49	2.91	2.73	2.66	2.79	4.08	3.31	3.71
15	4.29	3.77	3.44	3.49	3.31	2.88	2.69	3.02	2.70	4.21	3.42	3.51
20	4.14	3.69	3.43	3.52	3.15	2.84	2.90	3.08	2.60	4.86	4.02	3.55
25	3.99	3.57	3.45	3.68	3.04	2.80	2.80	3.19	2.50	4.50	4.02	3.53
EOM	3.86	3.43	3.42	3.62	3.00	2.72	2.74	3.05	3.56	3.48	3.83	3.38
MEAN	4.14	3.73	3.43	3.54	3.33	2.86	2.74	2.91	2.77	4.14	3.68	3.63
MAX	4.37	3.89	3.46	4.12	3.63	2.99	2.93	3.19	3.56	4.89	4.22	3.85
MIN	3.86	3.43	3.39	3.40	3.00	2.72	2.66	2.62	2.50	3.33	3.27	3.38

WTR YR 1989 MEAN 3.41 MAX 4.89 JUL 21 MIN 2.50 JUN 25

DADE COUNTY

WELL NUMBER.--253902080202501. Local Number G 553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°39'02", long 80°20'19", in NE¼SE¼ sec.16, T.53 S., R.40 E., Hydrologic Unit 03090202, on the south side of S.W. 128th Street, 0.5 mi west of U.S. Highway 1, 2.5 mi south of S.W. 88th street, and 13 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 91 ft, cased to 79 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 19-26 and May 15-25, 1989 water year.

PERIOD OF RECORD.--January 1947 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.06 ft NGVD, Oct. 5, 1948; lowest, 0.81 ft NGVD, May 14-15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.50	3.17	2.84	2.58	2.54	2.27	2.07	2.01	2.34	3.91	3.16	3.62
10	3.49	3.19	2.76	2.54	2.50	2.30	2.05	1.90	2.30	3.77	3.11	3.54
15	3.38	3.16	2.71	2.52	2.45	2.26	1.97	3.15	2.12	3.55	3.05	3.32
20	3.25	3.03	2.65	2.49	2.37	2.21	2.04	3.11	1.96	3.43	3.95	3.36
25	3.14	2.98	2.70	2.62	2.33	2.20	2.13	2.87	2.58	3.34	4.04	3.24
EOM	3.05	2.92	2.61	2.60	2.30	2.12	2.06	2.56	3.63	3.46	3.69	3.09
MEAN	3.33	3.08	2.73	2.56	2.44	2.23	2.05	2.48	2.39	3.58	3.47	3.40
MAX	3.52	3.21	2.90	2.62	2.59	2.30	2.13	3.16	3.63	3.94	4.09	3.68
MIN	3.05	2.92	2.61	2.49	2.30	2.11	1.96	1.83	1.87	3.27	3.03	3.09

WTR YR 1989 MEAN 2.82 MAX 4.09 AUG 22 AND OTHERS MIN 1.83 MAY 14

WELL NUMBER.--254000080181001. Local Number G 580A. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'00", long 80°18'10", in SE¼NW¼ sec. 11, T.55 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Ludlam Road and Killian Drive, 1.2 mi east of U.S. Highway 1, and 10.5 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 4 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 25 - May 25, 1989 water year.

PERIOD OF RECORD.--September 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.34 ft, Sept. 23, 1960; lowest, 0.71 ft NGVD, May 5, 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.75	2.44	2.10	1.88	1.82	1.66	1.69	1.59	1.81	3.28	2.31	2.76
10	2.79	2.44	2.03	1.86	1.80	1.77	1.68	1.42	1.74	2.77	2.20	2.68
15	2.74	2.34	2.00	1.84	1.77	1.82	1.52	2.59	1.59	2.58	2.33	2.61
20	2.60	2.34	1.95	1.79	1.70	1.71	1.68	2.55	1.39	2.49	3.20	2.63
25	2.47	2.26	2.00	1.93	1.72	1.65	1.73	2.31	2.12	2.48	3.04	2.57
EOM	2.38	2.19	1.94	1.92	1.86	1.56	1.64	2.02	3.67	2.42	2.79	2.43
MEAN	2.64	2.35	2.02	1.87	1.77	1.70	1.65	1.98	2.00	2.74	2.60	2.64
MAX	2.79	2.48	2.18	1.95	1.90	1.82	1.75	2.60	3.80	3.55	3.24	2.78
MIN	2.38	2.19	1.94	1.78	1.66	1.56	1.52	1.34	1.36	2.42	2.20	2.43

WTR YR 1989 MEAN 2.17 MAX 3.80 JUN 28 AND OTHERS MIN 1.34 MAY 14

DADE COUNTY

WELL NUMBER.--254000080460001. Local Number G 620. USGS Observation Well in Everglades National Park, FL.

LOCATION.--Lat 25°40'00", long 80°46'00", in NW¼NE¼ sec.30, T.55 S., R.36 E., Hydrologic Unit 03090202, at look-out tower in Everglades National Park, 7.5 mi south of U.S. Highway 41, and 37 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geological Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 6 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.02 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to September 1980, November 1982 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.88 ft NGVD, Nov. 16, 1982; lowest, 1.86 ft NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.23	6.65	6.22	5.99	5.73	4.73	4.78	4.91	3.79	5.98	5.97	5.97
10	7.20	6.56	6.17	6.02	5.60	4.89	4.68	4.54	3.83	5.93	5.96	5.94
15	7.05	6.45	6.13	5.96	5.37	4.64	4.94	4.07	3.40	5.90	5.98	5.93
20	6.95	6.39	6.09	5.91	5.17	4.51	5.19	3.77	3.02	5.95	5.99	5.94
25	6.82	6.33	6.08	5.94	5.01	4.27	4.90	3.40	3.15	5.96	5.90	5.94
EOM	6.70	6.27	6.03	5.84	4.89	3.99	4.67	3.06	5.76	5.98	5.93	5.92
MEAN	7.02	6.47	6.13	5.95	5.39	4.55	4.78	4.06	3.68	5.96	5.97	5.96
MAX	7.27	6.71	6.25	6.02	5.83	4.89	5.24	5.05	5.76	6.09	6.11	6.14
MIN	6.70	6.27	6.03	5.84	4.89	3.99	3.85	3.06	2.94	5.90	5.87	5.88

WTR YR 1989 MEAN 5.50 MAX 7.27 OCT 2 AND OTHERS MIN 2.94 JUN 2

WELL NUMBER.--254038080280201. Local Number G 855. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°40'38", long 80°28'02", in SE¼NE¼ sec.6, T.55 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi east of Krome Avenue, 0.4 mi south of North Kendall Drive, and 9.2 mi west of Kendall.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

REVISED RECORDS.--WDR FL-85-2B: 1977, 1979.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.90 ft above National Geodetic Vertical Datum of 1929. Prior to October 1978, land-surface datum was considered to be 7.41 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of base, 1.62 ft above land-surface datum (revised).

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. SEE DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.00 ft NGVD estimated, Aug. 18, 1981; lowest, 1.00 ft NGVD, present datum, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.86	4.56	4.32	4.27	4.38	3.64	3.89	3.49	3.11	4.96	3.82	4.57
10	5.22	4.59	4.34	4.21	4.08	3.69	3.67	3.35	3.34	4.24	4.15	4.20
15	4.91	4.40	4.30	4.27	3.89	3.63	3.44	3.27	3.08	3.87	4.16	3.92
20	4.74	4.32	4.24	4.28	3.75	3.57	3.42	3.60	2.90	4.27	5.00	4.28
25	4.58	4.14	4.38	4.41	3.77	3.46	3.52	3.54	3.04	4.10	4.59	4.02
EOM	4.54	3.94	4.33	4.28	3.68	3.37	3.44	3.31	4.49	3.93	4.60	3.86
MEAN	4.79	4.37	4.30	4.30	3.99	3.57	3.53	3.46	3.27	4.21	4.27	4.23
MAX	5.22	4.62	4.38	4.48	4.39	3.69	3.93	3.60	4.49	4.96	5.00	5.06
MIN	4.25	3.94	3.96	4.21	3.68	3.37	3.37	3.27	2.90	3.85	3.74	3.86

WTR YR 1989 MEAN 4.03 MAX 5.22 OCT 10 MIN 2.90 JUN 20 AND OTHERS

DADE COUNTY

WELL NUMBER.--254054080295401. Local Number G 1487. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'54", long 80°29'54", in SE¼SE¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, west of levee on west side of L 31 N canal, 11.3 mi south of U.S. Highway 41, 3.5 mi north of Howard Drive, and 1 mi west of Krome Avenue near Miami, Fl.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.34 ft above land-surface datum.

PERIOD OF RECORD.--April 1970 to May 1976, June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.86 ft NGVD, Sept. 9, 1972; lowest, 1.59 ft NGVD, May 7, 8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.25	5.96	5.49	5.31	5.37	4.97	5.82	4.80	3.97	5.83	4.75	5.37
10	6.27	5.91	5.43	5.23	5.41	5.15	5.02	4.66	4.39	4.86	4.80	4.99
15	6.13	5.60	5.40	5.27	5.23	5.04	4.70	4.52	3.96	4.54	5.30	4.67
20	6.07	5.43	5.33	5.28	5.06	4.94	4.77	4.76	3.94	4.97	5.79	4.98
25	6.00	5.31	5.43	5.25	5.06	4.83	4.83	4.53	4.45	4.87	5.21	4.84
EOM	5.92	5.43	5.37	5.26	4.96	4.71	4.91	4.21	5.43	4.74	5.30	4.62
MEAN	6.13	5.62	5.42	5.29	5.21	4.96	4.88	4.64	4.29	4.98	5.09	4.98
MAX	6.32	6.00	5.49	5.49	5.41	5.15	5.82	4.93	5.43	6.27	5.92	5.66
MIN	5.92	5.22	5.33	5.16	4.96	4.71	4.62	4.21	3.80	4.51	4.59	4.62

WTR YR 1989 MEAN 5.12 MAX 6.32 OCT 7 MIN 3.80 JUN 19

WELL NUMBER.--254130080234501. Local Number G 551. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'08", long 80°23'45", in NW¼SW¼ sec.36, T.54 S., R.39 E., Hydrologic Unit 03090202, 15 ft north of supply well number 18 in the Souhtwest Wellfield of the Miami-Dade Water and Sewer Authority, on the east side of SW 125th Avenue, 0.6 mi south of Sunset Drive and 6.5 mi west of South Miami (revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 80 ft, cased to 71 ft, slotted 29 to 71 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.22 ft, above land-surface datum.

REMARKS.--Water levels affected by pumping in the Southwest Wellfield.

PERIOD OF RECORD.--December 1947 to April 1961, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.77 ft NGVD, Oct. 5, 1948; lowest, 0.96 ft below NGVD, June 24-25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.37	.86	.56	.44	-0.03	-0.49	-0.37	-0.75	-0.48	1.46	.93	1.64
10	1.37	.85	.49	.39	-0.13	-0.47	-0.46	-0.56	-0.62	1.33	1.04	1.33
15	1.33	.73	.47	.12	-0.21	-0.53	-0.38	-0.71	.56	1.16	1.02	1.16
20	1.29	.65	.48	-0.10	-0.36	-0.58	-0.49	.35	-0.81	1.45	2.04	1.63
25	1.11	.46	.48	-0.07	.69	-0.60	-0.29	.28	-0.96	1.10	1.90	1.51
EOM	.95	.64	.50	.01	.28	-0.60	-0.39	-0.11	1.16	1.10	1.50	1.17
MEAN	1.24	.70	.51	.13	-0.09	-0.54	-0.31	-0.21	-0.35	1.25	1.38	1.42
MAX	1.37	1.16	.75	.50	.81	-0.30	.30	.53	1.16	1.46	2.05	1.64
MIN	.95	.39	.47	-0.13	-0.42	-0.60	-0.63	-0.88	-0.96	1.08	.91	1.16

WTR YR 1989 MEAN .43 MAX 2.05 AUG 22 AND OTHERS MIN -0.96 JUN 24 AND OTHERS

DADE COUNTY

WELL NUMBER.--254157080214001. Local Number G 3073. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NW¼NW¼ sec.32, T.54 S., R.40 E., Hydrologic Unit 03090202, on the north side of Snapper Creek Canal, 0.25 mi southeast of the intersection at S.W. 107 Avenue and Sunset Drive, and 4.6 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.0 ft, cased to 20.0 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 3.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of aluminum base, 4.79 ft above land-surface datum.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.15 ft NGVD, Aug. 18, 1981; lowest, 0.53 ft below NGVD, Feb. 6, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.25	2.88	2.47	2.12	1.64	1.44	1.22	1.54	1.29	2.46	2.50	3.36
10	3.09	2.84	2.42	2.10	1.56	1.48	1.08	.83	2.08	2.86	2.69	3.20
15	3.19	2.78	2.36	2.03	1.48	1.46	1.28	1.93	1.02	2.61	3.04	3.12
20	3.11	2.73	2.29	1.99	1.37	1.36	1.52	1.72	1.29	2.67	3.65	3.45
25	2.94	2.64	2.28	2.08	1.59	1.20	1.64	2.08	2.09	2.66	3.47	3.19
EOM	2.78	2.55	2.21	2.03	1.35	1.03	1.59	1.61	2.82	2.52	3.41	2.96
MEAN	3.09	2.75	2.35	2.07	1.52	1.35	1.31	1.60	1.74	2.65	3.03	3.25
MAX	3.28	2.92	2.53	2.19	1.78	1.50	1.64	2.24	3.26	2.92	3.65	3.51
MIN	2.78	2.55	2.17	1.99	1.35	1.03	.98	.76	.92	2.29	2.26	2.96

WTR YR 1989 MEAN 2.23 MAX 3.65 AUG 20 MIN .76 MAY 14

WELL NUMBER.--254157080214002. Local Number G 3074. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NW¼NW¼ sec.32, T.54 S., R.40 E., Hydrologic Unit 03090202, on north side of Snapper Creek Canal, 0.25 mi southeast of the intersection at S.W. 107 Avenue and Sunset Drive, and 4.6 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 40 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 3.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.67 ft above land-surface datum.

REMARKS.--Water levels estimated Dec. 1-26, 1989 water year.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.39 ft NGVD, Sept. 26, 1981; lowest, 3.78 ft below NGVD, May 8, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.18	1.84	1.37	1.02	-0.15	-0.28	-0.44	.78	.37	2.47	1.82	3.33
10	2.21	1.82	1.32	.99	-0.26	-0.28	-0.43	-0.58	1.97	2.57	2.63	3.17
15	3.11	1.78	1.26	.95	-0.35	-0.22	.10	1.15	-0.39	1.97	2.97	3.09
20	3.01	1.69	1.19	.94	-0.47	-0.25	.68	.53	.45	2.07	3.66	3.41
25	2.10	1.55	1.18	1.17	.22	-0.39	.96	1.70	1.36	2.03	3.43	3.15
EOM	1.77	1.44	1.12	1.01	-0.58	-0.49	.77	.90	2.92	1.89	3.36	2.49
MEAN	2.67	1.70	1.25	1.00	-0.27	-0.32	.13	.73	1.04	2.21	2.81	3.20
MAX	3.20	1.92	1.43	1.17	.22	-0.21	.96	1.70	2.92	2.90	3.66	3.51
MIN	1.77	1.44	1.07	.92	-0.58	-0.49	-0.53	-0.58	-0.45	1.89	1.08	2.49

WTR YR 1989 MEAN 1.36 MAX 3.66 AUG 20 MIN -0.58 FEB 28 AND OTHERS

DADE COUNTY

WELL NUMBER.--254215080201503. Local Number G 1074B. USGS Observation Well at South Miami, FL.

LOCATION.--Lat 25°42'15", long 80°20'15", in SE¼SE¼ sec.28, T.54 S., R.40 E., Hydrologic Unit 03090202, in the Alexander Orr wellfield of the Miami-Dade Water and Sewer Authority 0.15 mi west of Galloway Road and 0.20 mi north of Sunset Drive.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 39.0 ft, cased to 17 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of metal base, 3.30 ft, above land-surface datum.

PERIOD OF RECORD.--October 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.91 ft NGVD, Oct. 1-2, 1987; lowest, 9.38 ft below NGVD, Apr. 24, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-4.00	-3.19	-4.57	-6.59	-3.71	-1.96	-5.12	-7.17	-4.71	-4.57	-6.26	-5.28
10	-1.27	-4.20	-5.49	-6.46	-2.36	-1.14	-6.41	-6.46	-5.16	-5.56	-6.86	-5.42
15	-3.74	-3.43	-5.92	-6.14	-3.81	-3.00	-7.01	-7.04	-5.92	-5.79	-4.44	-5.20
20	-6.34	-3.29	-6.92	-5.95	-3.70	-3.84	-8.09	-5.07	-6.92	-6.15	-4.93	-5.53
25	-5.85	-3.74	-7.01	-3.22	-1.84	-3.84	-8.56	-5.52	-2.28	-4.06	-6.04	-5.97
EOM	-5.29	-4.41	-8.04	-3.09	-3.03	-5.91	-7.81	-6.24	-2.64	-4.10	-5.46	-4.36
MEAN	-4.32	-3.64	-6.25	-5.52	-3.13	-3.00	-6.93	-6.33	-4.77	-4.86	-5.83	-5.45
MAX	-1.09	-2.63	-4.37	-2.74	-1.49	-0.63	-4.87	-5.07	-1.54	-2.00	-4.35	-4.35
MIN	-6.84	-4.73	-8.04	-7.77	-4.88	-5.91	-8.64	-7.65	-6.92	-6.15	-6.86	-6.77

WTR YR 1989 MEAN -5.02 MAX -0.63 MAR 8 MIN -8.64 APR 24

WELL NUMBER.--254217080171801. Local Number F 319. USGS Observation Well at South Miami, FL.

LOCATION.--Lat 25°42'17", long 80°17'18", in SE¼SE¼ sec.25, T.54 S., R.40 E., Hydrologic Unit 03090202, in parking lot on west side of North 1st Street, north of Sunset Drive in South Miami, and 0.1 mi south of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft cased to 13 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 11.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.69 ft above land-surface datum.

REMARKS.--Water levels estimated Sept. 1-30, 1989 water year.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.86 ft NGVD, Oct. 11, 1947; lowest, 0.47 ft NGVD, May 17, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.41	2.39	1.89	1.64	1.55	1.48	1.63	1.61	1.54	2.46	1.93	2.43
10	2.54	2.24	1.86	1.72	1.55	1.57	1.45	1.51	1.59	2.12	2.10	2.34
15	2.54	2.17	1.87	1.62	1.54	1.69	1.42	1.90	1.50	2.07	2.11	2.46
20	2.45	2.10	1.85	1.57	1.51	1.55	1.55	1.81	1.37	2.06	2.69	2.81
25	2.36	2.02	1.84	1.70	1.50	1.54	1.65	1.70	2.27	2.09	2.21	2.62
EOM	2.22	1.97	1.72	1.64	1.52	1.41	1.88	1.63	3.02	1.97	2.40	2.40
MEAN	2.43	2.17	1.85	1.66	1.54	1.55	1.54	1.66	1.85	2.18	2.18	2.52
MAX	2.59	2.48	1.97	1.72	1.62	1.70	1.88	1.90	3.39	2.89	2.69	2.82
MIN	2.22	1.97	1.72	1.57	1.47	1.41	1.35	1.43	1.34	1.97	1.91	2.32

WTR YR 1989 MEAN 1.93 MAX 3.39 JUN 27 MIN 1.34 JUN 23

DADE COUNTY

WELL NUMBER.--254421080260201. Local Number G 3439. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'21", Long 80°26'02", in SE¼NE¼ sec.16, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of SW 30th St., 500 ft west of SW 147th Ave, 0.75 mi north of Bird Dr. 15 mi west of Miami. Owner: U.S. Geological Survey.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.08 ft NGVD, Aug. 21-22, 1988; lowest, 2.61 ft NGVD, June 21, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.71	4.12	3.64	3.38	3.25	3.26	3.25	3.03	2.72	5.20	4.17	4.12
10	4.55	4.03	3.58	3.33	3.21	3.34	3.22	2.92	3.25	3.93	3.69	3.89
15	4.43	3.97	3.53	3.32	3.14	3.24	3.04	4.38	2.83	3.60	4.28	3.90
20	4.28	3.85	3.46	3.29	3.16	3.17	3.18	3.29	2.63	4.55	4.98	4.33
25	4.13	3.78	3.48	3.37	3.37	3.08	3.17	3.06	3.69	3.75	4.29	3.85
EOM	4.00	3.64	3.42	3.27	3.28	3.15	3.09	2.85	4.96	3.52	4.76	3.68
MEAN	4.40	3.92	3.53	3.34	3.23	3.20	3.16	3.12	3.31	4.06	4.14	4.01
MAX	4.94	4.17	3.64	3.43	3.41	3.34	3.33	4.38	5.23	5.25	4.98	4.60
MIN	4.00	3.64	3.42	3.27	3.07	3.00	3.00	2.83	2.61	3.52	3.42	3.65

WTR YR 1989 MEAN 3.62 MAX 5.25 JUL 4 MIN 2.61 JUN 21

WELL NUMBER.--254444080144801. Local Number F 179. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°44'44", long 80°14'48", in SE¼NW¼ sec.16, T.54 S., R 41 E., Hydrologic Unit 03090202, at northwest corner of Southwest 24th Terrace and 32nd Avenue, 0.5 mi north of U.S. Highway 1, and 3.8 mi northeast of South Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 77 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.49 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.21 ft NGVD, Oct. 14, 1947; lowest, 0.69 ft NGVD, Mar. 18, 1943.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.72	2.18	1.68	1.42	1.45	1.56	1.75	1.94	1.57	3.69	1.84	2.27
10	2.54	2.04	1.65	1.57	1.45	1.63	1.59	1.79	1.95	2.94	2.26	2.19
15	2.48	1.98	1.62	1.50	1.50	1.81	1.51	1.82	1.75	2.38	2.22	2.31
20	2.37	1.92	1.57	1.40	1.52	1.71	1.80	1.67	1.60	2.12	3.26	2.68
25	2.27	1.80	1.54	1.60	1.54	1.67	2.02	1.60	2.90	2.07	2.70	2.28
EOM	2.15	1.77	1.50	1.57	1.61	1.62	2.06	1.60	3.71	1.88	2.32	2.24
MEAN	2.44	1.98	1.61	1.52	1.51	1.66	1.75	1.75	2.13	2.58	2.32	2.32
MAX	2.72	2.21	1.75	1.66	1.65	1.81	2.06	2.06	3.82	3.71	3.26	2.68
MIN	2.15	1.77	1.50	1.40	1.43	1.55	1.46	1.51	1.57	1.88	1.81	2.16

WTR YR 1989 MEAN 1.97 MAX 3.82 JUN 28 MIN 1.40 JAN 19 AND OTHERS

DADE COUNTY

WELL NUMBER.--254500080360001. Local Number G 618. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'40", long 80°36'00", in NE¼NE¼ sec.12, T.54 S., R.37 E., Hydrologic Unit 03090202, on south-side of U.S. Highway 41, 6.1 mi west of Krome Avenue, and 25 mi west of Miami (revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 11 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.52 ft NGVD, Nov. 2, 1960; lowest, 2.56 ft NGVD, May 2, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.32	7.19	6.81	6.44	6.18	5.77	5.76	5.00	3.97	5.45	5.48	6.01
10	7.13	7.10	6.73	6.39	6.09	5.78	5.58	4.80	4.28	5.19	5.31	6.07
15	7.00	7.04	6.66	6.35	6.00	5.60	5.36	4.58	3.86	5.06	5.87	6.01
20	7.09	6.95	6.61	6.31	5.92	5.44	5.29	4.97	3.62	5.42	5.98	6.09
25	7.18	6.92	6.55	6.32	5.80	5.34	5.44	4.57	4.21	5.31	5.84	6.12
EOM	7.17	6.86	6.49	6.25	5.72	5.39	5.26	4.26	5.26	5.55	6.03	6.16
MEAN	7.17	7.03	6.66	6.36	6.01	5.56	5.43	4.76	4.15	5.34	5.73	6.07
MAX	7.40	7.22	6.84	6.48	6.23	5.90	5.78	5.23	5.27	5.70	6.03	6.16
MIN	6.99	6.86	6.49	6.25	5.72	5.15	5.13	4.26	3.62	5.06	5.31	5.99

WTR YR 1989 MEAN 5.86 MAX 7.40 OCT 1 AND OTHERS MIN 3.62 JUN 20

WELL NUMBER.--254741080162101. Local Number G 3328. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°47'41", long 80°16'21", in SE¼SE¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, on the south side of the access roadway to the terminals at the Miami International Airport and 0.5 mi west of Lejeune Road.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.75 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of plywood base, 1.50 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 27 - Dec. 20 and Aug. 30 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.83 ft NGVD, May 29, 1984; lowest 1.33 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.28	2.27	1.93	1.68	1.58	1.75	1.64	1.61	1.33	2.69	2.12	2.35
10	2.40	2.14	1.88	1.69	1.53	1.81	1.50	1.48	1.80	2.41	2.24	2.25
15	2.33	2.14	1.83	1.62	1.53	1.89	1.43	1.39	1.61	2.23	2.54	2.17
20	2.22	2.05	1.78	1.58	1.53	1.73	1.53	1.45	1.45	2.23	3.10	2.50
25	2.22	2.03	1.72	1.73	1.60	1.64	1.85	1.42	2.42	2.17	2.62	2.28
EOM	2.14	1.98	1.70	1.64	1.73	1.64	1.71	1.43	2.95	2.12	2.58	2.20
MEAN	2.28	2.11	1.82	1.67	1.58	1.74	1.60	1.48	1.85	2.35	2.44	2.33
MAX	2.42	2.27	1.97	1.74	1.73	1.92	1.90	1.71	2.95	3.00	3.10	2.76
MIN	2.14	1.98	1.70	1.57	1.47	1.51	1.41	1.36	1.33	2.12	2.07	2.15

WTR YR 1989 MEAN 1.94 MAX 3.10 AUG 20 MIN 1.33 JUN 5

DADE COUNTY

WELL NUMBER.--254752080181501. Local Number G 3329. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°47'52", long 80°18'15", in SW¼SW¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, on the west side of Miami International Airport, 314 ft north of NW 25th Street and 0.5 mi east of Milam Dairy Road.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.33 ft NGVD, May 29, 1984; lowest, 1.77 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.98	2.83	2.52	2.32	2.18	2.42	2.13	2.06	1.77	3.75	2.87	3.28
10	2.95	2.79	2.47	2.37	2.13	2.41	2.04	1.96	2.38	3.14	3.11	3.18
15	2.89	2.70	2.44	2.29	2.08	2.34	1.94	1.90	2.17	2.93	3.60	3.04
20	2.79	2.67	2.38	2.23	2.03	2.27	2.07	1.99	1.99	3.00	4.62	3.65
25	2.73	2.63	2.33	2.25	2.20	2.19	2.18	1.91	2.93	2.92	3.36	3.11
EOM	2.66	2.58	2.32	2.22	2.39	2.12	2.22	1.86	4.40	3.01	4.10	2.98
MEAN	2.87	2.70	2.43	2.28	2.14	2.30	2.10	1.97	2.52	3.18	3.35	3.26
MAX	3.18	2.84	2.57	2.37	2.39	2.45	2.22	2.22	4.73	4.36	4.62	3.81
MIN	2.66	2.58	2.30	2.22	2.03	2.07	1.94	1.85	1.77	2.86	2.78	2.98

WTR YR 1989 MEAN 2.59 MAX 4.73 JUN 28 MIN 1.77 JUN 5

WELL NUMBER.--254823080163701. Local Number G 3327. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°48'23", long 80°16'37", in NW¼NE¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, in the Pan Am International Flight Academy parking lot, 0.2 mi south of NW 36th Street and 1.3 mi west of Lejeune Road.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.91 ft NGVD, July 23, 1985; lowest, 1.28 ft NGVD, Dec. 3, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.22	2.11	1.83	1.57	1.47	1.59	1.57	1.60	1.29	3.07	2.04	2.50
10	2.31	1.97	1.77	1.58	1.40	1.67	1.40	1.49	1.70	2.52	2.33	2.30
15	2.23	1.95	1.77	1.55	1.39	1.77	1.34	1.37	1.57	2.25	2.76	2.24
20	2.12	1.92	1.64	1.47	1.40	1.63	1.46	1.45	1.42	2.23	3.58	2.90
25	2.08	1.88	1.56	1.63	1.47	1.55	1.69	1.42	2.33	2.14	2.55	2.39
EOM	1.98	1.88	1.54	1.54	1.59	1.53	1.66	1.40	3.37	2.03	2.97	2.30
MEAN	2.18	1.96	1.70	1.56	1.46	1.62	1.51	1.47	1.84	2.41	2.51	2.47
MAX	2.35	2.11	1.88	1.65	1.59	1.81	1.75	1.67	3.37	3.33	3.58	3.02
MIN	1.98	1.87	1.54	1.47	1.35	1.40	1.32	1.35	1.29	2.03	2.00	2.22

WTR YR 1989 MEAN 1.89 MAX 3.58 AUG 20 MIN 1.29 JUN 5

DADE COUNTY

WELL NUMBER.--254823080175201. Local Number G 3465. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'23", long 80°17'52", in SE¼NW¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, located next to the parking lot of USDA, 600 ft south of NW 36th Street on NW 36th Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 28.8 ft, cased to 28.8 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.48 ft NGVD, Aug. 20, 1989; lowest, 1.51 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.56	2.27	2.25	1.88	1.83	2.11	1.82	1.87	1.51	3.75	2.59	3.20
10	2.55	2.36	2.20	1.92	1.76	2.10	1.77	1.76	2.03	3.08	2.82	2.98
15	2.53	2.26	2.17	1.95	1.75	2.09	1.68	1.61	1.87	2.78	3.37	2.71
20	2.24	2.26	1.78	1.90	1.70	2.00	1.79	1.73	1.70	2.80	4.48	3.47
25	2.02	2.26	1.75	1.92	1.83	1.91	1.90	1.66	2.78	2.67	3.37	2.98
EOM	1.89	2.25	1.62	1.91	2.02	1.77	1.96	1.56	4.24	2.65	3.90	2.69
MEAN	2.35	2.24	2.01	1.90	1.80	2.01	1.82	1.74	2.21	3.03	3.19	3.06
MAX	2.70	2.36	2.25	1.95	2.02	2.12	1.96	1.98	4.24	4.24	4.48	3.76
MIN	1.89	1.86	1.56	1.71	1.70	1.77	1.68	1.56	1.51	2.61	2.50	2.69

WTR YR 1989 MEAN 2.28 MAX 4.48 AUG 20 MIN 1.51 JUN 5

WELL NUMBER.--254832080175001. Local Number S 19. USGS Observation Well at Virginia Gardens, FL.

LOCATION.--Lat 25°48'32", long 80°17'50", in NW¼NE¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, at intersection of Northwest 62 Avenue and 39th Street in Virginia Gardens, and 6.8 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 95 ft, cased to 91 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.63 ft NGVD, Oct. 11, 1947; lowest, 1.41 ft below NGVD, June 18-21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.44	2.25	2.20	1.91	1.84	2.06	1.81	1.84	1.45	3.70	2.50	3.07
10	2.54	2.37	2.16	1.96	1.78	2.08	1.74	1.74	1.99	3.00	2.76	2.83
15	2.49	2.23	2.14	1.95	1.72	2.06	1.64	1.59	1.82	2.71	3.32	2.63
20	2.09	2.23	1.59	1.90	1.65	1.98	1.79	1.73	1.64	2.73	4.49	3.43
25	1.86	2.25	1.75	1.96	1.81	1.87	1.90	1.64	2.74	2.60	3.29	2.85
EOM	1.76	2.25	1.54	1.92	2.00	1.75	1.96	1.52	4.17	2.58	3.85	2.60
MEAN	2.25	2.22	1.96	1.93	1.78	1.98	1.80	1.71	2.17	2.96	3.12	2.97
MAX	2.66	2.38	2.25	1.98	2.00	2.08	1.96	1.97	4.17	4.17	4.49	3.66
MIN	1.76	1.75	1.41	1.72	1.65	1.73	1.64	1.52	1.45	2.52	2.43	2.60

WTR YR 1989 MEAN 2.24 MAX 4.49 AUG 20 MIN 1.41 DEC 22

DADE COUNTY

WELL NUMBER.--254834080171601. Local Number G 3466. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'34", long 80°17'16", in SW¼SW¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, located .25 mi north of Fairway Drive on the east side of Eldron Drive on the north side of the parking lot at Miami Springs Golf Course.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19.5 ft, cased to 19.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.42 ft NGVD, Aug. 20, 1989; lowest, 1.03 ft NGVD, Dec. 22, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.23	1.90	1.93	1.57	1.50	1.67	1.56	1.66	1.21	3.62	2.19	2.80
10	2.22	2.09	1.90	1.61	1.39	1.76	1.50	1.50	1.68	2.87	2.49	2.43
15	2.18	2.04	1.86	1.63	1.36	1.80	1.38	1.30	1.54	2.52	3.04	2.20
20	1.89	2.08	1.29	1.56	1.32	1.71	1.58	1.49	1.37	2.47	4.42	3.26
25	1.73	2.01	1.33	1.67	1.47	1.58	1.69	1.41	2.68	2.34	3.05	2.62
EOM	1.61	2.01	1.26	1.61	1.60	1.42	1.68	1.28	4.09	2.26	3.75	2.27
MEAN	2.04	1.99	1.65	1.60	1.43	1.66	1.55	1.48	1.92	2.77	2.88	2.66
MAX	2.48	2.10	2.00	1.69	1.60	1.80	1.69	1.73	4.09	4.10	4.42	3.40
MIN	1.61	1.60	1.03	1.39	1.32	1.41	1.38	1.28	1.21	2.24	2.11	2.20

WTR YR 1989 MEAN 1.97 MAX 4.42 AUG 20 MIN 1.03 DEC 22

WELL NUMBER.--254839080162301. Local Number G 3467. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'39", long 80°16'23", in SW¼SW¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, East Drive Park 1/10 mi south of Labaron Drive on East Drive. Located on east side of street next to the park parking lot.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27.5 ft, cased to 27.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 2.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.74 ft NGVD, Aug. 15, 1988; lowest, 1.21 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.16	2.03	1.75	1.47	1.36	1.49	1.47	1.55	1.21	3.09	1.97	2.46
10	2.23	1.91	1.71	1.47	1.28	1.62	1.32	1.41	1.64	2.52	2.36	2.25
15	2.15	1.87	1.70	1.46	1.28	1.70	1.24	1.27	1.48	2.22	2.72	2.16
20	2.06	1.84	1.57	1.38	1.27	1.56	1.39	1.40	1.33	2.19	3.66	2.92
25	2.01	1.80	1.46	1.57	1.37	1.45	1.62	1.35	2.23	2.09	2.57	2.40
EOM	1.90	1.80	1.43	1.46	1.47	1.43	1.60	1.30	3.41	1.99	2.83	2.23
MEAN	2.11	1.89	1.62	1.47	1.34	1.53	1.43	1.40	1.76	2.40	2.48	2.44
MAX	2.26	2.03	1.80	1.59	1.47	1.72	1.65	1.62	3.41	3.40	3.66	3.14
MIN	1.90	1.80	1.43	1.38	1.24	1.29	1.22	1.25	1.21	1.98	1.93	2.13

WTR YR 1989 MEAN 1.83 MAX 3.66 AUG 20 MIN 1.21 JUN 5

DADE COUNTY

WELL NUMBER.--254857080171101. Local Number S 68. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°48'57", long 80°17'11", in SW¼NW¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, in center median of Curtis Parkway, 75 ft northeast of Deer Run in Miami Springs, and 6.4 mi northwest of Miami.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 81 ft, cased to 51 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.23 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.06 ft NGVD, Oct. 12, 1947; lowest, 4.39 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.05	1.87	1.99	1.54	1.45	1.59	1.55	1.68	1.17	3.60	2.19	2.64
10	2.06	2.13	1.92	1.55	1.31	1.76	1.52	1.49	1.61	2.91	2.57	2.32
15	2.00	2.11	1.89	1.60	1.33	1.79	1.34	1.22	1.45	2.52	3.05	2.08
20	1.88	2.12	.63	1.51	1.21	1.70	1.64	1.52	1.34	2.51	4.36	3.22
25	1.72	2.06	1.26	1.69	1.43	1.51	1.69	1.44	2.48	2.38	3.01	2.55
EOM	1.62	2.05	1.25	1.57	1.53	1.39	1.67	1.28	4.08	2.28	3.34	2.19
MEAN	1.96	2.02	1.59	1.58	1.36	1.62	1.55	1.48	1.85	2.79	2.85	2.57
MAX	2.48	2.17	2.04	1.70	1.55	1.79	1.71	1.75	4.08	4.09	4.36	3.39
MIN	1.62	1.61	.63	1.42	1.21	1.38	1.34	1.22	1.17	2.26	2.09	2.06

WTR YR 1989 MEAN 1.94 MAX 4.36 AUG 20 MIN .63 DEC 20 AND OTHERS

WELL NUMBER.--254830080284201. Local Number G 1488. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'07", long 80°28'57", in SW¼SW¼ sec.19, T.53 S., R.39 E., Hydrologic Unit 03090202, 20 ft east of Krome Avenue, 4 mi north of U.S. Highway 41, and 13.0 mi west of Miami.

AQUIFER.--Biscayne limstone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Sept. 6-15, 1989 water year.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.51 ft NGVD, Aug. 22, 1981; lowest, 3.06 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.89	6.71	6.35	5.96	5.38	4.90	4.78	4.41	3.68	5.47	4.91	5.80
10	6.88	6.69	6.27	5.89	5.25	4.99	4.59	4.37	4.30	5.01	5.29	5.73
15	6.85	6.65	6.18	5.79	5.09	4.79	4.40	4.28	3.73	4.61	5.36	5.45
20	6.82	6.61	6.09	5.68	4.96	4.67	4.68	4.21	3.60	4.85	6.00	5.99
25	6.79	6.55	6.10	5.74	4.89	4.73	4.53	4.31	4.03	4.76	5.91	6.02
EOM	6.71	6.47	6.03	5.53	4.79	4.98	4.77	3.83	5.13	4.80	5.83	6.02
MEAN	6.83	6.63	6.19	5.81	5.13	4.81	4.61	4.29	4.07	5.00	5.47	5.81
MAX	6.93	6.71	6.42	6.02	5.50	5.06	4.91	4.74	5.13	5.59	6.00	6.03
MIN	6.71	6.47	6.03	5.53	4.79	4.47	4.34	3.83	3.60	4.61	4.68	5.32

WTR YR 1989 MEAN 5.39 MAX 6.93 OCT 1 MIN 3.60 JUN 19 AND OTHERS

DADE COUNTY

WELL NUMBER.--255023080202301. Local Number G 976. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°49'18", long 80°25'33", in SW¼NE¼ sec.22, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi southwest of the Northwest well field, 1.50 mi east of the Dade/Broward Levee, 4.25 mi north of U.S. Highway 41, and 7.0 mi west of Miami Springs. (Revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

REVISED RECORDS.--WDR FL-79-2B: 1978.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Northwest Wellfield. Water levels estimated Jan. 24-25, May 6-8, June 6-19, 24-29, 1989 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.72 ft NGVD, Sept. 10, 30, 1960; lowest, 0.61 ft NGVD, June 20-24, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.44	3.12	2.39	1.86	1.48	1.44	1.33	1.05	.64	3.35	2.10	3.16
10	4.24	2.95	2.24	1.76	1.45	1.46	1.17	.96	1.33	2.95	2.52	3.01
15	3.88	2.84	2.15	1.70	1.35	1.34	1.06	.83	.87	2.35	3.68	2.55
20	3.59	2.72	2.11	1.62	1.25	1.22	1.22	.92	.61	2.41	4.13	4.16
25	3.32	2.64	2.14	1.63	1.41	1.37	1.16	.90	1.10	2.27	3.58	3.58
EOM	3.04	2.52	2.01	1.54	1.50	1.52	1.30	.77	3.11	2.08	3.54	3.22
MEAN	3.84	2.83	2.21	1.72	1.41	1.37	1.21	.96	1.19	2.64	3.12	3.34
MAX	4.62	3.14	2.51	1.99	1.53	1.70	1.60	1.38	3.15	3.35	4.13	4.48
MIN	3.04	2.52	2.01	1.54	1.23	1.15	1.01	.77	.61	2.08	1.91	2.55

WTR YR 1989 MEAN 2.16 MAX 4.62 OCT 2 MIN .61 JUN 20 AND OTHERS

WELL NUMBER.--254943080121501. Local Number F 45. USGS Observation Well at Miami, FL.

LOCATION.--Lat 25°49'43", long 80°12'15", in NE¼SW¼ sec.13, T.53 S., R.41 E., Hydrologic Unit 03090202, at corner of NW 58th Street and 5th Avenue in Miami, and 1.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 84.9 ft.

REVISED RECORDS.--WDR FL-85-2B: 1984

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of lip of recorder shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1939 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.10 ft NGVD, Sept. 10, 24, 1960; lowest 1.10 ft NGVD, Apr. 14, 15, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.29	2.18	1.72	1.55	1.50	1.69	1.68	2.00	1.67	3.61	1.95	2.51
10	2.22	2.01	1.68	1.54	1.49	1.86	1.54	1.81	2.44	3.14	2.58	2.25
15	2.10	1.86	1.68	1.52	1.47	1.86	1.47	1.82	2.09	2.62	2.62	2.12
20	1.99	1.81	1.66	1.54	1.44	1.75	1.68	1.79	1.88	2.29	3.16	2.84
25	1.93	1.75	1.68	1.60	1.66	1.66	1.83	2.05	2.43	2.15	2.82	2.57
EOM	1.87	1.75	1.59	1.57	1.74	1.73	2.11	1.82	3.42	2.16	2.37	2.31
MEAN	2.06	1.90	1.68	1.56	1.53	1.75	1.67	1.88	2.23	2.72	2.56	2.44
MAX	2.33	2.18	1.74	1.61	1.74	1.88	2.11	2.12	3.42	3.64	3.18	2.84
MIN	1.87	1.74	1.59	1.49	1.44	1.56	1.46	1.67	1.67	2.06	1.93	2.12

WTR YR 1989 MEAN 2.00 MAX 3.64 JUL 4 MIN 1.44 FEB 18 AND OTHERS

DADE COUNTY

WELL NUMBER.--254950080171202. Local Number G 1368A. USGS Observation Well at Hialeah, FL.

LOCATION.--Lat 25°49'50", long 80°17'12", in SW¼NW¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, near main building and shop of Miami Preston Water Plant in Hialeah, and 0.3 mi east of N.W. 57th Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 39 ft, cased to 38.4 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in Preston Wellfield.

PERIOD OF RECORD.--April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.75 ft NGVD, July 23, 1985; lowest, 14.01 ft below NGVD, Apr. 28, 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.37	2.09	2.02	1.14	-0.90	-0.05	.62	.58	-0.22	2.57	.88	1.79
10	2.44	2.18	1.43	.91	-0.42	1.77	.41	-0.52	.07	1.66	2.48	1.90
15	2.38	2.08	1.39	1.36	.19	1.18	-0.76	-0.30	-0.56	1.69	2.37	1.20
20	2.29	1.79	.92	.04	-1.31	.72	1.44	1.09	-0.34	1.90	3.74	2.26
25	2.21	2.12	1.23	1.58	.56	-0.08	1.29	.51	2.12	1.83	3.13	1.73
EOM	2.14	2.07	1.25	.11	-0.54	.65	1.42	.57	3.57	1.70	2.82	1.47
MEAN	2.31	2.01	1.43	.85	-0.42	.66	.75	.44	.53	2.18	2.36	1.77
MAX	2.45	2.19	2.04	1.64	1.04	1.78	1.68	1.69	3.88	3.77	3.74	2.78
MIN	2.13	1.21	.36	.04	-1.55	-0.41	-1.57	-1.30	-1.49	1.33	.77	1.19

WTR YR 1989 MEAN 1.25 MAX 3.88 JUN 28 MIN -1.57 APR 14

WELL NUMBER.--254950080180801. Local Number G 3. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°49'50", long 80°18'08", in NE¼SW¼ sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Hammond Drive and Ibis Avenue in Miami Springs and 0.30 mi east of FEC borrow pit.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 3.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--February 1940 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.68 ft NGVD, Oct. 11, 1947; lowest, 3.77 ft below NGVD, Apr. 14, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.40	2.15	2.13	1.84	1.74	1.82	1.65	1.77	1.30	3.36	2.34	2.39
10	2.44	2.12	2.12	1.81	1.63	1.89	1.63	1.73	1.55	2.83	2.35	2.19
15	2.37	2.21	2.01	1.82	1.53	1.89	1.48	1.54	1.57	2.53	3.11	1.86
20	2.30	2.27	1.80	1.80	1.46	1.84	1.48	1.65	1.44	2.61	4.14	3.02
25	2.27	2.24	1.75	1.84	1.49	1.74	1.71	1.58	2.25	2.54	3.01	2.27
EOM	2.17	2.17	1.84	1.83	1.68	1.57	1.74	1.44	3.82	2.41	2.53	2.11
MEAN	2.33	2.19	1.96	1.83	1.59	1.80	1.61	1.64	1.87	2.79	2.81	2.32
MAX	2.44	2.27	2.16	1.86	1.81	1.91	1.74	1.81	3.92	3.83	4.14	3.10
MIN	2.17	2.12	1.62	1.78	1.43	1.57	1.41	1.44	1.28	2.41	2.26	1.80

WTR YR 1989 MEAN 2.07 MAX 4.14 AUG 20 MIN 1.28 JUN 6

DADE COUNTY

WELL NUMBER.--255008080161801. Local Number F 239. USGS Observation Well at Hialeah, FL.

LOCATION.--Lat 25°50'08", long 80°16'18", in NW¼NW¼ sec.17, T.53 S., R.41 E., Hydrologic Unit 03090202, 20 ft north of East 15th Street, 50 ft east of 5th Avenue in Hialeah, and 1.3 mi east of N.W. 57th Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 52.8 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping in the Preston Wellfield.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORDS.--Highest daily maximum water level, 4.89 ft NGVD, May 31, 1984; lowest, 1.44 ft below NGVD, Apr. 23, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.83	1.66	1.45	1.10	.94	1.02	1.12	1.26	.84	3.38	1.57	2.30
10	1.90	1.65	1.38	1.08	.81	1.27	1.02	1.02	1.33	2.76	2.14	2.00
15	1.83	1.57	1.34	1.09	.84	1.31	.73	.79	1.11	2.25	2.31	1.76
20	1.73	1.46	1.21	1.00	.74	1.21	1.07	1.16	.97	2.13	3.18	2.93
25	1.67	1.53	1.18	1.18	.95	1.05	1.23	1.12	1.69	1.92	2.72	2.27
EOM	1.61	1.52	1.14	1.07	.85	.98	1.24	1.00	3.69	1.82	2.33	1.93
MEAN	1.77	1.57	1.30	1.10	.86	1.12	1.06	1.10	1.45	2.47	2.30	2.25
MAX	1.91	1.68	1.50	1.19	1.04	1.31	1.24	1.32	3.69	3.72	3.18	3.06
MIN	1.61	1.46	1.13	1.00	.71	.89	.73	.79	.84	1.75	1.61	1.74

WTR YR 1989 MEAN 1.53 MAX 3.72 JUL 1 MIN .71 FEB 21

WELL NUMBER.--255026080240302. Local Number G 3259A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'26", long 80°24'03", in SW¼SW¼ sec.12, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of NW 74 Street Extension, 0.8 mi west of Snapper Creek Canal Extension, 1.0 mi east of the Northwest Wellfield of the Miami-Dade Water and Sewer Authority, and 1.0 mi north of NW 58th Street.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 55 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base: 2.91 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Northwest Wellfield. Water levels estimated Feb. 6-25, Mar. 11-29, Apr. 9 - May 3, 1989 water year.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.08 ft NGVD, June 10, 1983; lowest, 1.57 ft below NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.09	.67	.13	-0.30	-0.75	-0.71	-0.97	-0.70	-1.57	1.53	.86	2.18
10	1.89	.57	-0.09	-0.44	-0.82	-0.77	-1.12	-0.86	-0.56	1.27	1.31	1.79
15	1.35	.41	-0.12	-0.49	-0.97	-0.74	-1.27	-0.99	-0.83	.90	2.07	1.57
20	1.10	.29	.19	-0.59	-0.91	-1.19	-1.21	-1.01	-1.28	.98	3.16	3.21
25	.86	.22	.11	-0.65	-0.79	-1.38	-1.06	-1.20	-1.17	1.04	2.61	2.65
EOM	.55	.17	-0.11	-0.72	-0.65	-1.04	-0.88	-1.29	.91	.71	2.33	2.20
MEAN	1.42	.41	.04	-0.50	-0.83	-0.96	-1.09	-1.01	-0.84	1.10	1.92	2.31
MAX	2.36	.67	.21	-0.14	-0.65	-0.66	-0.88	-0.70	.91	1.56	3.16	3.81
MIN	.55	.14	-0.12	-0.72	-1.00	-1.38	-1.29	-1.34	-1.57	.71	.58	1.55

WTR YR 1989 MEAN .17 MAX 3.81 SEP 18 MIN -1.57 JUN 5

DADE COUNTY

WELL NUMBER.--255027080221602. Local Number G 3264A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°22'16", in SE¼SE¼ sec.7, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of NW 74th Street Extention, west of FPL right-of-way and 1.0 mi east of Snapper Creek Canal Extension.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.00 ft above land-surface datum.

REMARKS.-Water levels estimated July 28 - Aug. 21 and Sept. 21-30, 1989 water year.

PERIOD OF RECORD.--June 1983 to May 1984 (quarterly), June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.60 ft NGVD, July 25, 1988; lowest, 0.89 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.12	2.84	2.07	1.90	1.66	1.69	1.55	1.21	.89	3.74	2.37	3.10
10	2.98	2.51	2.03	1.96	1.57	1.68	1.33	1.12	1.69	3.12	2.49	2.99
15	2.77	2.47	1.97	1.83	1.47	1.58	1.21	1.11	1.43	2.75	3.35	2.82
20	2.63	2.34	1.90	1.75	1.41	1.54	1.43	1.14	1.33	2.77	4.20	3.87
25	2.54	2.28	2.02	1.77	1.50	1.50	1.30	1.12	2.65	2.76	3.96	3.25
EOM	2.40	2.18	1.96	1.70	1.59	2.45	1.61	1.00	3.53	2.42	3.44	2.90
MEAN	2.82	2.44	2.01	1.83	1.56	1.61	1.43	1.13	1.84	2.98	3.15	3.21
MAX	3.74	2.84	2.17	1.96	1.74	2.45	2.13	1.49	3.74	3.84	4.20	3.97
MIN	2.40	2.18	1.89	1.70	1.39	1.33	1.21	.99	.89	2.42	2.35	2.74

WTR YR 1989 MEAN 2.17 MAX 4.20 AUG 20 MIN .89 JUN 5

WELL NUMBER.--255027080245501. Local Number G 3253. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°24'55", in SW¼SW¼ sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, in the Northwest Wellfield of the Miami-Dade Water and Sewer Authority, 500 ft east of supply well 8, on the south side of the wellfield road, 1.8 mi west of the Snapper Creek Canal Extension, and 1.0 mi north of N.W. 58th Street.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping in the Northwest Wellfield. Missing record from Feb. 15 to Mar. 1, June 29 to July 28, and Aug. 28 to Sept. 14, 1989 water year.

PERIOD OF RECORD.--December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.61 ft NGVD, Oct. 5-9, 1982; lowest, 4.75 ft below NGVD, June 4, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.30	-1.81	-2.41	-3.15	-3.74	-3.65	-4.17	-4.48	-4.56	1.82	-3.07	-0.95
10	.24	-2.03	-2.95	-3.47	-3.50	-3.36	-4.01	-4.30	-2.24	1.40	-2.61	-0.92
15	-1.11	-1.58	-2.84	-3.51	-4.00	-4.10	-4.37	-4.29	-3.30	.15	-0.97	-0.43
20	-0.98	-2.60	-1.21	-3.63	-4.11	-4.21	-4.37	-4.44	-4.11	-1.00	.71	2.22
25	-1.76	-2.68	-1.66	-3.35	-3.86	-3.84	-4.33	-4.63	-3.60	-2.00	-1.42	.09
EOM	-1.96	-1.62	-2.87	-3.72	-3.68	-4.20	-4.50	-3.72	-0.51	-3.08	-0.79	-0.08
MEAN	-0.79	-2.14	-2.20	-3.45	-3.80	-3.82	-4.27	-4.40	-3.32	-0.28	-1.66	-0.07
MAX	.90	-1.49	-1.02	-2.87	-2.93	-3.32	-3.92	-3.34	-0.51	1.99	.71	2.44
MIN	-2.15	-2.71	-2.96	-3.72	-4.11	-4.22	-4.50	-4.70	-4.75	-3.08	-3.16	-1.09

WTR YR 1989 MEAN -2.51 MAX 2.44 SEP 18 AND OTHERS MIN -4.75 JUN 4

DADE COUNTY

WELL NUMBER.--255207080241301. Local Number G 974. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'07", long 80°24'13", in NW¼NW¼ sec.1, T.52 S., R.39 E., Hydrologic Unit 03090202, 1.0 mi west of junction of Russian Colony Canal and Snapper Creek Canal Extension, and 3.0 mi southwest of Pennsuco.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum

REMARKS.--Water levels affected by pumping in the Northwest Wellfield.

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.60 ft NGVD, Sept. 25, and Nov. 22, 1959; lowest, 0.29 ft below NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.56	2.10	1.44	1.16	.69	.51	.20	-0.10	-0.29	2.31	1.52	2.56
10	3.30	1.96	1.34	1.03	.58	.53	.10	-0.13	.61	2.26	1.73	2.36
15	3.02	1.83	1.27	.95	.47	.45	.02	-0.17	.61	2.01	2.04	2.10
20	2.70	1.71	1.15	.83	.39	.37	.09	-0.03	.46	1.87	2.94	2.82
25	2.46	1.68	1.33	.82	.43	.35	.02	-0.05	.71	1.68	2.83	2.73
EOM	2.15	1.59	1.26	.72	.42	.25	-0.03	-0.21	1.71	1.74	2.68	2.51
MEAN	2.94	1.86	1.33	.95	.53	.42	.09	-0.10	.59	1.99	2.21	2.54
MAX	3.79	2.16	1.58	1.25	.72	.54	.29	-0.02	1.71	2.32	2.99	3.16
MIN	2.15	1.59	1.15	.72	.39	.21	-0.07	-0.21	-0.29	1.56	1.46	2.06

WTR YR 1989 MEAN 1.29 MAX 3.79 OCT 1 MIN -0.29 JUN 5

WELL NUMBER.--255208080274001. Local Number G 975. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'08", long 80°27'40", in SW¼SE¼ sec.32. T.52 S., R.38 E., Hydrologic Unit 03090202, 1.0 mi southwest of junction of Pennsuco Canal and Dade Broward Levee, 5.5 mi southwest of Pennsuco, and 7.5 mi north of U.S. Highway 41.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

REMARKS.--Water levels estimated June 20 - July 25, 1989 water year.

PERIOD OF RECORD.--July 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.78 ft NGVD, Oct. 14, 1960; lowest, 2.07 ft NGVD, June 2, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.32	6.09	5.55	4.71	4.33	4.06	3.48	3.24	2.54	5.09	3.82	5.28
10	6.32	6.08	5.32	4.66	4.19	4.18	3.36	3.27	4.00	4.68	4.89	5.06
15	6.29	5.98	5.07	4.59	4.05	3.84	3.25	3.10	3.12	4.25	4.65	4.93
20	6.25	5.90	4.85	4.45	3.93	3.71	3.66	3.44	2.82	4.30	5.40	5.52
25	6.20	5.81	4.93	4.64	3.84	3.88	3.38	3.11	3.99	4.30	5.38	5.50
EOM	6.14	5.65	4.79	4.45	3.78	3.57	3.51	2.79	4.95	4.09	5.09	5.49
MEAN	6.26	5.95	5.14	4.62	4.08	3.88	3.49	3.25	3.58	4.48	4.81	5.26
MAX	6.32	6.12	5.65	4.78	4.43	4.19	3.84	3.65	5.02	5.20	5.41	5.52
MIN	6.14	5.65	4.79	4.45	3.78	3.49	3.22	2.79	2.54	3.93	3.77	4.78

WTR YR 1989 MEAN 4.57 MAX 6.32 OCT 1 AND OTHERS MIN 2.54 JUN 5

DADE COUNTY

WELL NUMBER.--255209080212801. Local Number G 973. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°52'09", long 80°21'28", in NE¼NE¼ sec.5, T.53 S., R.40 E., Hydrologic Unit 03090202, on Russian Colony Road, 0.5 mi north of Medley, and 1.0 mi west of Miami Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

REVISED RECORDS.--WDR FL-85-2B: 1978

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES OF PERIOD OF RECORD.--Highest daily maximum water level, 6.19 ft NGVD, July 25, 1958; lowest, 0.92 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.09	2.61	2.19	2.07	1.90	1.95	1.76	1.62	1.29	3.32	2.35	2.89
10	2.92	2.51	2.15	2.04	1.83	1.93	1.64	1.55	1.91	2.99	2.58	2.79
15	2.73	2.44	2.11	2.02	1.73	1.87	1.60	1.55	1.76	2.72	3.38	2.62
20	2.62	2.40	2.04	1.98	1.66	1.84	1.68	1.60	1.63	2.82	3.96	3.02
25	2.52	2.33	2.16	2.01	1.87	1.80	1.66	1.51	2.25	2.63	3.26	2.84
EOM	2.44	2.25	2.11	1.96	1.97	1.88	1.80	1.44	3.18	2.45	3.00	2.71
MEAN	2.74	2.44	2.13	2.03	1.82	1.87	1.70	1.56	2.02	2.86	2.98	2.83
MAX	3.09	2.63	2.24	2.11	1.97	2.01	1.89	1.80	3.32	3.41	3.96	3.09
MIN	2.44	2.25	2.03	1.96	1.65	1.67	1.53	1.44	1.29	2.45	2.30	2.61

WTR YR 1989 MEAN 2.25 MAX 3.96 AUG 20 MIN 1.29 JUN 5

WELL NUMBER.--255250080270801. Local Number G 594. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°52'50", long 80°27'08", in NW¼NW¼ sec.33, T.52 S., R.39 E., Hydrologic Unit 03090202, on the Dade/Broward Levee 3.0 mi west of N.W. 117 Avenue on N.W. 41 Street, 4.75 mi north and 1.25 mi west along Pennsuco Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 122 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 13.9 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 11.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4 ft above land-surface datum.

REMARKS.--Water levels estimated Mar. 6 - June 28, Aug. 8-17, 1989 water year.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.27 ft NGVD, Aug. 20-22, 1988; lowest, 3.68 ft NGVD, June 5, 1989 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.07	6.83	6.34	5.73	5.42	5.28	4.62	4.38	3.68	6.26	4.99	6.13
10	7.04	6.77	6.20	5.72	5.29	5.33	4.50	4.41	5.20	5.76	6.05	6.01
15	6.98	6.69	6.00	5.61	5.19	4.97	4.39	4.24	4.40	5.28	5.84	5.75
20	6.95	6.63	5.78	5.53	5.06	4.81	4.80	4.58	3.95	5.48	6.27	6.42
25	6.90	6.58	5.90	5.72	4.95	5.01	4.52	4.25	3.94	5.42	6.17	6.33
EOM	6.82	6.48	5.81	5.55	4.88	4.71	4.65	3.93	5.92	5.24	5.90	6.26
MEAN	6.97	6.69	6.05	5.67	5.19	5.04	4.63	4.39	4.39	5.60	5.80	6.13
MAX	7.07	6.83	6.46	5.79	5.53	5.43	4.98	4.79	5.92	6.29	6.28	6.42
MIN	6.82	6.48	5.76	5.52	4.88	4.63	4.36	3.93	3.68	4.95	4.88	5.73

WTR YR 1989 MEAN 5.55 MAX 7.07 OCT 5 AND OTHERS MIN 3.68 JUN 5

DADE COUNTY

WELL NUMBER.--255342080195501. Local Number G 1166. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°53'42", long 80°19'55", in SE¼NE¼ sec.27, T.52 S., R.40 E., Hydrologic Unit 03090202, on the east side of Northwest 82 Avenue, 0.25 mi south of Northwest 138 Street, 0.5 mi west of Palmetto Expressway, and 1.2 mi west of Hialeah.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age. Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 18 ft, cased to 10.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum..

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.92 ft NGVD, Aug. 27, 1964; lowest,1.33 ft NGVD, Apr. 23-28, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.49	2.38	2.11	2.09	2.04	2.09	2.00	1.93	1.78	2.71	2.18	2.31
10	2.42	2.24	2.12	2.08	1.97	2.04	1.86	1.85	2.28	2.41	2.50	2.27
15	2.28	2.17	2.11	2.09	1.92	2.07	1.75	1.92	2.12	2.30	2.96	2.21
20	2.19	2.17	2.09	2.06	1.82	2.06	1.88	2.12	2.00	2 41	3.33	2.46
25	2.17	2.14	2.15	2.10	1.92	2.01	1.90	2.03	2.41	2.34	2.38	2.29
EOM	2.14	2.14	2.14	2.07	2.00	2.01	1.96	1.98	2.90	2.24	2.39	2.21
MEAN	2.28	2.21	2.12	2.09	1.96	2.04	1.90	1.97	2.26	2.44	2.49	2.31
MAX	2.52	2.55	2.19	2.14	2.07	2.09	2.04	2.12	3.22	2.91	3.33	2.59
MIN	2.14	2.13	2.07	2.05	1.82	1.89	1.75	1.74	1.78	2.22	2.18	2.18

WTR YR 1989 MEAN 2.17 MAX 3.33 AUG 20 MIN 1.74 MAY 14

WELL NUMBER.--255437080103201. Local Number G 852. USGS Observation Well at North Miami Beach, FL.

LOCATION.--Lat 25°54'37", long 80°10'32", in SE¼NW¼ sec.20, T.52 S., R.42 E., Hydrologic Unit 03090202, at corner of Northeast 12th Avenue and 147 Street in North Miami Beach, and 1.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Water-levels recorder.

DATUM.--Land-surface datum is 6.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Water-levels estimated May 23-31, 1989 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.40 ft NGVD, May 29, 1984; lowest, 0.17 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.74	2.12	1.59	1.43	1.35	1.52	1.69	1.49	2.07	3.61	2.29	2.02
10	1.77	1.93	1.54	1.39	1.33	1.97	1.49	2.43	3.81	2.74	2.38	1.96
15	1.66	1.91	1.50	1.36	1.30	1.79	1.36	1.99	3.39	2.21	2.29	1.87
20	1.58	1.82	1.49	1.33	1.25	1.69	1.43	2.17	3.35	1.94	3.45	2.32
25	1.56	1.68	1.49	1.40	1.58	1.58	1.43	2.14	1.87	2.74	2.43	2.10
EOM	1.53	1.62	1.45	1.40	1.52	1.77	2.09	1.95	3.49	2.58	1.94	1.87
MEAN	1.64	1.83	1.52	1.39	1.38	1.70	1.52	2.12	2.85	2.66	2.45	2.03
MAX	1.80	2.13	1.62	1.45	1.58	1.97	2.09	2.53	4.14	3.88	3.45	2.32
MIN	1.53	1.53	1.45	1.33	1.24	1.51	1.33	1.43	1.74	1.86	1.94	1.84

WTR YR 1989 MEAN 1.93 MAX 4.14 JUN 8 MIN 1.24 FEB 21

DADE COUNTY

WELL NUMBER.--255522080261401. Local Number G 972. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°55'00", long 80°26'40", in NW¼SE¼ sec.16, T.52 S., R.39 E., Hydrologic Unit 03090202, 0.6 mi west of the Dade/Broward levee, 0.85 mi southeast of the entrance to Thompson Park, and 12.4 mi northwest of Hialeah. (Revised).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 4.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1958 to May 1981. October 1981 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.07 ft NGVD, Sept. 26 - 28, 1959; lowest, 1.65 ft NGVD, June 1, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.69	5.59	5.17	4.96	4.63	4.62	3.60	3.36	2.74	5.09	3.84	4.69
10	5.68	5.54	5.06	4.95	4.49	4.48	3.44	3.29	4.02	4.59	4.57	4.65
15	5.66	5.49	5.01	4.87	4.35	4.21	3.29	3.61	3.19	4.07	4.63	4.74
20	5.65	5.44	4.39	4.79	4.21	4.02	3.57	3.55	2.97	4.29	5.07	5.12
25	5.62	5.40	5.08	4.92	4.20	3.95	3.38	3.22	4.06	4.14	4.69	5.02
EOM	5.58	5.29	5.03	4.76	4.55	3.61	3.74	3.02	5.04	4.39	4.69	5.11
MEAN	5.65	5.48	5.06	4.90	4.41	4.22	3.51	3.37	3.68	4.42	4.53	4.82
MAX	5.71	5.59	5.27	5.06	4.74	4.95	3.98	3.82	5.09	5.23	5.07	5.15
MIN	5.58	5.29	4.89	4.76	4.16	3.61	3.29	3.01	2.74	3.86	3.75	4.45

WTR YR 1989 MEAN 4.50 MAX 5.71 OCT 2 MIN 2.74 JUN 5

WELL NUMBER.--255526080143001. Local Number S 18. USGS Observation Well near Opa-Locka, FL.

LOCATION.--Lat 25°55'26", long 80°14'30", NW¼NW¼ sec.15, T.52 S., R.41 E., Hydrologic Unit 03090202, in parking lot of the North Dade Regional Library, 0.2 mi south of State Highway 826, 0.2 mi east of Northwest 27th Avenue, and 1.3 mi north of Opa-Locka.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 52 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.54 ft NGVD, Oct. 12, 1947; lowest. 0.05 ft NGVD, June 3, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.14	2.09	1.89	1.85	1.82	1.87	1.78	1.74	1.73	2.72	2.07	2.12
10	2.20	2.03	1.89	1.83	1.77	1.97	1.65	1.61	2.16	2.39	2.64	2.10
15	2.02	2.05	1.88	1.83	1.71	1.92	1.53	2.25	2.01	2.44	2 43	2.02
20	1.94	1.99	1.85	1.81	1.63	1.90	1.74	2.15	1.84	2.26	2.78	2.30
25	1.92	1.94	1.90	1.87	1.74	1.82	1.71	2.23	2.05	2.20	2.34	2.14
EOM	1.91	1.92	1.88	1.86	1.76	1.84	1.76	1.95	3.29	2.21	2.25	2.05
MEAN	2.02	2.00	1.88	1.85	1.75	1.87	1.70	1.93	2.13	2.42	2.36	2.13
MAX	2.29	2.10	1.91	1.89	1.85	1.97	1.87	2.34	3.33	3.32	2.78	2.30
MIN	1.90	1.90	1.84	1.81	1.62	1.70	1.53	1.51	1.73	2.12	2.06	2.02

WTR YR 1989 MEAN 2.01 MAX 3.33 JUN 28 AND OTHERS MIN 1.51 MAY 14

DADE COUNTY

WELL NUMBER.--255600080270001. Local Number G 968. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°56'00", long 80°27'00", in NE¼NE¼ sec.9, T.52 S., R.39 E., Hydrologic Unit 03090202, 100 ft from the northwest side of levee 30, 1 mi southwest of Miami Canal, 1.3 mi south of Dade and Broward County Line, and 10 mi west of Carol City.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 16 in., depth 50 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 17 - Jan. 5, 1989 water year.

PERIOD OF RECORD.--April 1960 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.28 ft NGVD, Sept. 7, 1986; lowest, 1.70 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUFS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.57	6.95	6.46	6.53	6.11	5.59	4.20	3.95	3.29	5.80	4.31	5.57
10	7.66	6.87	6.42	6.48	5.92	5.57	4.03	3.84	4.33	5.39	4.84	5.65
15	7.37	6.80	6.37	6.43	5.72	5.37	3.88	4.08	3.65	4.59	5.02	5.68
20	7.33	6.69	6.32	6.33	5.53	5.03	4.02	4.05	3.46	4.65	5.35	6.12
25	7.23	6.58	6.63	6.39	5.38	4.64	3.95	3.76	4.19	4.64	5.27	6.27
EOM	7.00	6.50	6.57	6.33	5.47	4.27	4.21	3.55	5.34	4.85	5.28	6.31
MEAN	7.39	6.77	6.45	6.43	5.76	5.14	4.05	3.90	4.07	4.98	4.96	5.85
MAX	7.67	6.98	6.63	6.56	6.23	5.66	4.28	4.26	5.36	5.83	5.40	6.31
MIN	7.00	6.50	6.30	6.33	5.31	4.27	3.86	3.55	3.29	4.37	4.24	5.27

WTR YR 1989 MEAN 5.48 MAX 7.67 OCT 11 MIN 3.29 JUN 5

WELL NUMBER.--255707080255001. Local Number G 1637. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°57'07", long 80°25'50", in SW¼NE¼ sec.3, T.52 S., R.39 E., Hydrologic Unit 03090202, at entrance of Opa Locka West Training Airport, 1,000 ft northeast of the intersection of U.S. Highway 27 and Krome Avenue, and 10.0 mi northwest of Hialeah.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 26 ft, cased to 26 ft.

REVISED RECORDS.--WDR FL-85-2B: 1979.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.55 ft NGVD estimated (revised), Apr. 26, 1979; lowest, 2.19 ft NGVD, Apr. 26, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.69	4.37	3.91	3.82	3.55	3.54	2.69	2.59	2.33	3.93	3.07	3.39
10	4.71	4.24	3.90	3.79	3.35	3.37	2.50	2.47	3.15	3.42	3.34	3.39
15	4.65	4.12	3.91	3.72	3.17	3.20	2.38	2.88	2.80	3.12	3.56	3.34
20	4.62	4.06	3.85	3.65	3.00	3.06	2.60	2.93	2.60	3.40	3.97	3.73
25	4.52	4.02	4.01	3.77	3.08	2.90	2.57	2.77	3.26	3.37	3.36	3.75
EOM	4.38	3.94	3.90	3.69	3.54	2.68	2.76	2.57	4.22	3.93	3.39	3.73
MEAN	4.60	4.15	3.92	3.78	3.27	3.21	2.58	2.69	3.12	3.50	3.43	3.55
MAX	4.72	4.37	4.06	3.96	3.68	4.33	2.76	3.10	4.31	4.68	3.97	3.88
MIN	4.38	3.94	3.85	3.65	2.96	2.68	2.38	2.34	2.33	3.11	3.03	3.31

WTR YR 1989 MEAN 3.49 MAX 4.72 OCT 6 MIN 2.33 JUN 5

DADE COUNTY

WELL NUMBER.--255709080223701. Local Number G 970. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°57'09", long 80°22'37", in SE¼NE¼ sec.6, T.52 S., R.40 E., Hydrologic Unit 03030202, 0.5 mi south of Snake Creek, 3.5 mi east of U.S. Highway 27, and 6.0 mi west of Carol City.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 3.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.52 ft NGVD, Nov. 22, 1959; lowest, 1.35 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	AFR	MAY	JUN	JUL	AUG	SEP
5	2.70	2.72	2.42	2.40	2.23	2.58	2.04	2.02	1.96	3.13	2.53	2.78
10	2.62	2.69	2.45	2.37	2.12	2.48	1.94	1.89	2.75	2.76	2.75	2.64
15	2.48	2.62	2.42	2.36	2.05	2.41	1.95	2.55	2.47	2.58	2.90	2.60
20	2.50	2.54	2.39	2.30	1.94	2.31	2.18	2.58	2.25	2.77	2.99	3.00
25	2.52	2.58	2.58	2.55	2.05	2.20	2.00	2.44	2.67	2.76	2.91	2.79
EOM	2.54	2.54	2.49	2.33	2.57	2.10	2.31	2.19	3.48	2.69	2.68	2.70
MEAN	2.55	2.62	2.47	2.42	2.13	2.38	2.06	2.24	2.65	2.84	2.85	2.79
MAX	2.72	2.75	2.61	2.77	2.57	2.99	2.77	2.86	3.53	3.49	3.37	3.14
MIN	2.47	2.53	2.36	2.30	1.94	2.10	1.84	1.79	1.96	2.56	2.50	2.54

WTR YR 1989 MEAN 2.50 MAX 3.53 JUN 29 MIN 1.79 MAY 13 AND OTHERS

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
DADE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
251922080340701	G -1251	25 19 22 N	080 34 07 W	10-24-88	2.33
				11-22-88	2.03
				12-27-88	1.56
				01-31-89	1.47
				02-27-89	0.85
				04-21-89	1.24
				05-18-89	1.29
				06-22-89	0.16
				08-03-89	2.04
				08-29-89	2.11
				09-29-89	2.67
252918080234201	G -1183	25 29 18 N	080 23 42 W	10-24-88	1.87
				11-23-88	1.67
				12-27-88	1.67
				01-31-89	1.91
				02-27-89	1.78
				03-28-89	1.64
				06-08-89	2.22
				06-28-89	2.37
				08-29-89	2.37
				09-30-89	2.37
252944080233401	G -1179	25 29 44 N	080 23 34 W	10-24-88	1.83
				11-23-88	1.66
				12-27-88	1.86
				01-31-89	1.85
				02-27-89	1.72
				03-28-89	1.59
				04-21-89	1.99
				06-08-89	1.34
				06-28-89	2.30
				08-03-89	2.28
				08-29-89	2.32
				09-30-89	2.29
252947080235201	G -1270	25 29 47 N	080 23 52 W	10-24-88	1.88
				11-23-88	1.90
				12-27-88	1.89
				01-31-89	1.89
				02-27-89	1.76
				03-28-89	1.64
				04-21-89	2.00
				06-08-89	2.65
				06-28-89	2.32
				08-03-89	2.32
				08-29-89	2.36
				09-30-89	2.33
252947080235301	G -1180	25 29 47 N	080 23 53 W	11-23-88	0.70
				12-27-88	0.87
				01-31-89	0.88
				02-27-89	0.73
				03-28-89	0.61
				04-21-89	1.04
				06-08-89	0.36
				06-28-89	1.27
				08-03-89	1.32
				08-29-89	1.36
253133080224801	G -1268	25 31 33 N	080 22 48 W	06-20-89	1.96
253202080232601	G -3162	25 31 32 N	080 23 25 W	10-24-88	1.94
				11-23-88	1.90
				12-27-88	1.83
				01-31-89	1.95
				02-27-89	1.81
				03-28-89	1.82
				04-21-89	1.83
				06-08-89	2.15
				06-28-89	2.35

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
253202080232601	G -3162	25 31 32 N	080 23 25 W	08-03-89	2.34
				08-29-89	2.38
				09-30-89	2.34
253917080184901	F - 465	25 39 17 N	080 18 49 W	05-02-89	1.84
253937080190001	F - 464	25 39 37 N	080 19 00 W	05-02-89	1.92
253958080170302	G -1004A	25 39 58 N	080 17 03 W	10-24-88	2.25
				05-02-89	1.60
254004080171102	G -1003A	25 40 04 N	080 17 11 W	10-24-88	2.38
				05-02-89	1.77
254018080170002	G -1001A	25 40 18 N	080 17 03 W	10-24-88	2.76
				05-02-89	1.82
254019080190201	G -1604	25 40 19 N	080 19 02 W	10-24-88	2.07
				06-20-89	0.98
254020080183101	G -1604A	25 40 20 N	080 18 31 W	10-24-88	2.70
				10-24-88	2.67
				05-02-89	1.92
				06-20-89	1.63
254023080164702	G -1000A	25 40 24 N	080 16 42 W	10-24-88	2.21
				05-02-89	1.53
254033080170401	F - 450	25 40 33 N	080 17 04 W	10-24-88	3.41
				05-02-89	1.95
254049080172201	G -1007	25 40 49 N	080 17 22 W	10-24-88	2.57
				10-25-88	2.57
				05-02-89	1.59
254049080174502	G -1008A	25 40 48 N	080 17 44 W	10-24-88	2.78
				05-02-89	1.89
254050080162601	F - 386	25 40 50 N	080 16 26 W	10-24-88	1.31
				05-02-89	0.69
254053080210601	G -1563	25 40 53 N	080 21 06 W	05-02-89	1.63
254058080192501	F - 451	25 40 58 N	080 19 25 W	10-24-88	3.96
				10-24-88	3.96
				05-02-89	2.14
254107080165201	G - 896	25 41 07 N	080 16 52 W	10-24-88	2.58
				10-24-88	2.54
				05-02-89	1.68
254117080234702	G - 944A	25 41 17 N	080 23 47 W	10-24-88	1.84
				05-02-89	0.52
254123080163802	G - 176A	25 41 22 N	080 16 38 W	10-24-88	2.15
				05-02-89	1.49
254125080173001	G -1013	25 41 25 N	080 17 30 W	10-24-88	3.26
				05-02-89	2.53
254127080210502	G -1599B	25 41 27 N	080 21 05 W	10-24-88	2.55
				05-02-89	1.63
254127080240001	G - 551B	25 41 29 N	080 24 00 W	10-24-88	1.62
				05-02-89	0.40
254129080232701	G - 951	25 41 29 N	080 23 27 W	10-24-88	2.11
				05-02-89	0.79
254139080204301	G -1599A	25 41 39 N	080 20 43 W	10-24-88	1.71
				05-02-89	0.74

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
254140080224201	F - 490	25 41 40 N	080 22 42 W	10-24-88	2.75
				05-02-89	1.50
254154080214401	G -3291	25 41 54 N	080 21 44 W	10-24-88	2.96
254155080204001	G -1599	25 41 55 N	080 20 40 W	10-24-88	0.39
				05-02-89	-0.54
254155080214301	G -3289	25 41 55 N	080 21 43 W	10-24-88	2.96
				05-02-89	0.04
254155080214302	G -3290			10-24-88	2.94
				05-02-89	0.28
254156080214201	G -3284	25 41 56 N	080 21 42 W	10-24-88	2.95
				05-02-89	-0.19
254156080214202	G -3284A			10-24-88	2.92
				05-02-89	0.64
254156080214203	G -3284B			10-24-88	2.92
				05-02-89	0.28
254157080212501	G -3288	25 41 57 N	080 21 25 W	10-24-88	3.87
254157080212501	G -3288	25 41 57 N	080 21 25 W	05-02-89	2.31
254157080212502	G -3288A			10-24-88	2.63
				05-02-89	1.08
254157080213501	G -3287	25 41 57 N	080 21 35 W	10-24-88	2.91
				05-02-89	0.86
254157080213502	G -3287A			10-24-88	2.91
				05-02-89	0.70
254157080213901	G -3286	25 41 57 N	080 21 39 W	10-24-88	3.10
				05-02-89	1.04
254157080214001	G -3073	25 41 57 N	080 21 40 W	10-24-88	3.01
				05-02-89	1.50
254157080214002	G -3074			10-24-88	2.92
				05-02-89	0.68
254200080201801	G - 881	25 42 00 N	080 20 18 W	10-24-88	-0.07
				05-02-89	-0.89
254200080230501	G - 962A	25 42 00 N	080 23 05 W	10-24-88	2.97
				05-02-89	1.82
254202080232601	G - 799	25 42 02 N	080 23 26 W	10-24-88	2.61
				05-02-89	1.39
254209080204101	G - 878	25 42 09 N	080 20 41 W	10-24-88	0.76
				05-02-89	-0.44
254215080195402	G -1078A	25 42 15 N	080 19 54 W	10-24-88	-1.93
				05-02-89	-2.94
254215080200801	G -1075A	25 42 15 N	080 20 08 W	10-24-88	-2.28
				05-02-89	-4.01
254220080201302	G - 884A	25 42 20 N	080 20 19 W	10-24-88	-4.08
				05-02-89	-5.57
254227080234702	G - 847A	25 42 27 N	080 23 47 W	10-24-88	3.23
				05-02-89	2.36
254229080194601	G -1079	25 42 29 N	080 19 46 W	10-24-88	-0.14
				05-02-89	-1.40

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
254230080193002	G -1080A	25 42 30 N	080 19 30 W	10-24-88	1.23
				05-02-89	-0.02
254230080210302	G - 877A	25 42 30 N	080 21 03 W	10-24-88	1.80
				05-02-89	0.51
254231080200702	G -3422	25 42 31 N	080 20 07 W	10-24-88	-0.95
254232080200701	G -3418	25 42 32 N	080 20 07 W	10-24-88	-0.74
254232080200801	G -3424	25 42 32 N	080 20 08 W	10-24-88	-0.85
254233080200701	G -3416	25 42 33 N	080 20 07 W	10-24-88	-0.4
254250080181001	F - 473	25 42 50 N	080 18 10 W	10-24-88	3.02
				05-02-89	1.66
254253080211701	G -1555	25 42 53 N	080 21 17 W	10-24-88	2.89
				05-02-89	1.74
254306080235002	G - 958A	25 43 06 N	080 23 50 W	10-24-88	3.15
				05-02-89	2.02
254322080202001	F - 471	25 43 22 N	080 20 20 W	10-24-88	2.48
				05-02-89	1.34
254327080214701	F - 468	25 43 27 N	080 21 47 W	10-24-88	3.38
				05-02-89	2.26
254335080170501	G - 432	25 43 35 N	080 17 05 W	10-24-88	1.63
				06-20-89	0.78
254345080171601	F - 476	25 43 45 N	080 17 16 W	10-24-88	2.50
				05-02-89	1.83
254345080193001	F - 470	25 43 45 N	080 19 30 W	10-24-88	2.71
				05-02-89	1.70
254357080212002	F - 469A	25 43 57 N	080 21 20 W	10-24-88	2.98
				05-02-89	1.93
254454080182201	F - 474	25 44 54 N	080 18 22 W	10-24-88	3.29
				05-02-89	2.33
254733080220204	G -3398A	25 47 33 N	080 22 02 W	10-24-88	2.17
				05-02-89	1.98
254748080155701	F - 483	25 47 48 N	080 15 57 W	06-14-89	1.32
254813080161501	G -1351	25 48 13 N	080 16 15 W	10-24-88	1.89
				06-14-89	1.48
254813080170001	G -1350	25 48 13 N	080 17 00 W	10-24-88	2.14
254834080162801	G - 570	25 48 34 N	080 16 28 W	10-24-88	1.72
				06-14-89	1.17
254836080165201	G - 577	25 48 36 N	080 16 52 W	10-24-88	0.46
				06-14-89	0.01
254841080164401	G - 571	25 48 41 N	080 16 44 W	10-24-88	1.18
				06-14-89	0.74
254842080161502	G - 355	25 48 42 N	080 16 15 W	10-24-88	2.20
				06-14-89	1.63
254842080173401	F - 414	25 48 42 N	080 17 34 W	06-14-89	1.65
254842080174301	F - 441	25 48 42 N	080 17 43 W	06-14-89	2.73
254855080163701	G - 548	25 48 55 N	080 16 37 W	06-14-89	1.57
254905080250201	G -3103	25 49 05 N	080 25 02 W	10-24-88	3.33
				05-02-89	1.46

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
254943080121501	F - 45	25 49 43 N	080 12 15 W	10-24-88	1.92
254948080212301	G -3030	25 49 48 N	080 21 23 W	10-24-88	2.66
254948080221301	G -3025	25 49 48 N	080 22 13 W	10-24-88	2.63
				05-02-89	1.54
255003080245701	G -3277	25 50 03 N	080 24 57 W	10-24-88	-0.71
				05-02-89	-3.12
255023080250501	G -3255	25 50 23 N	080 25 05 W	10-24-88	-2.92
				05-02-89	-4.55
255023080250502	G -3255A			10-24-88	-3.65
				05-02-89	-3.99
255026080232701	G -3260	25 50 26 N	080 23 27 W	10-24-88	2.18
255027080251801	G -3326	25 50 27 N	080 25 18 W	10-24-88	-1.03
				05-02-89	-3.76
255028080254001	G -3446	25 50 28 N	080 25 40 W	10-24-88	1.51
255028080261401	G -3448	25 50 28 N	080 26 14 W	10-24-88	3.97
				05-02-89	1.02
255028080262501	G -3449	25 50 28 N	080 26 25 W	10-24-88	4.64
				05-02-89	1.54
255031080255201	G -3447	25 50 31 N	080 25 52 W	10-24-88	2.38
				05-02-89	-0.49
255049080245201	G -3279	25 50 49 N	080 24 52 W	10-24-88	-2.28
255117080245101	G -3281	25 51 17 N	080 24 51 W	10-24-88	-0.5
255140080260701	G -3333	25 51 40 N	080 26 07 W	10-24-88	3.81
				05-02-89	0.71
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-25-88	1.62
255822080103001	G -1060	25 58 22 N	080 10 30 W	10-25-88	1.78
				05-03-89	1.64

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
DADE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
251922080340701	G -1251	25 19 22 N	080 34 07 W	10-24-88	480	38
				11-22-88	420	38
				12-27-88	420	38
				01-31-89	430	40
				02-27-89	430	40
				03-29-89	440	34
				04-21-89	440	38
				05-18-89	420	42
				06-22-89	500	40
				08-03-89	500	44
				08-29-89	400	50
				09-29-89	400	48
251949080313102	G -1603	25 19 49 N	080 31 31 W	10-24-88	1600	350
				11-23-88	1420	360
				12-27-88	1190	110
				01-31-89	780	160
				03-29-89	1140	220
				04-21-89	4500	300
				05-18-89	4200	1100
				06-27-89	2000	480
				08-03-89	1100	250
				08-29-89	2020	700
				09-29-89	2560	880
251952080293401	G -1256	25 19 52 N	080 29 34 W	10-24-88	21000	6700
				11-23-88	20000	6500
				12-27-88	19500	6500
				01-31-89	19000	6700
				02-27-89	19000	6500
				03-29-89	20000	7100
				04-21-89	19000	7100
				08-03-89	18000	6700
				08-29-89	18000	6700
				09-29-89	15000	6700
252506080282201	G -3166	25 25 06 N	080 28 22 W	10-24-88	900	180
				11-23-88	830	190
				12-27-88	890	180
				01-31-89	870	180
				02-27-89	920	170
				03-29-89	910	130
				04-21-89	900	170
				05-18-89	880	180
				06-27-89	300	30
				08-03-89	820	190
				08-29-89	800	190
				09-30-89	800	190
252519080261101	G -3164	25 25 19 N	080 26 11 W	10-24-88	820	150
				11-23-88	730	120
				12-27-88	740	110
				01-31-89	700	100
				02-27-89	750	98
				03-29-89	740	92
				04-21-89	700	110
				06-28-89	620	50
				08-03-89	600	54
252532080244301	G -1264	25 25 32 N	080 24 43 W	11-23-88	740	110
				12-27-88	720	98
				01-31-89	680	86
				02-27-89	730	86
				03-28-89	600	48
				04-21-89	580	58
				06-28-89	750	100
				08-03-89	740	94
				08-29-89	590	86

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LATITUDE	LONGITUDE	DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
252823080250901	G -3163	25 28 23 N	080 25 09 W	06-28-89	600	34
				08-29-89	600	44
252823080250901	G -3163	25 28 23 N	080 25 09 W	09-30-89	500	52
252918080234201	G -1183	25 29 18 N	080 23 42 W	10-24-88	550	34
				11-23-88	540	34
				12-27-88	520	34
				01-31-89	1250	550
				02-27-89	530	36
				03-28-89	510	28
				04-21-89	540	34
				06-08-89	560	30
				06-28-89	450	18
				08-03-89	500	24
				08-29-89	700	44
				09-30-89	515	58
252944080233401	G -1179	25 29 44 N	080 23 34 W	10-24-88	10300	4000
				11-23-88	10200	3700
				12-27-88	11400	3800
				01-31-89	11400	3800
				02-27-89	11600	3700
				03-28-89	11800	3700
				04-21-89	10800	4000
				06-08-89	10300	4200
				06-28-89	12800	4200
				08-03-89	10200	4500
				08-29-89	14500	4100
				09-30-89	10500	4000
252947080235201	G -1270	25 29 47 N	080 23 52 W	10-24-88	540	18
				11-23-88	470	22
				12-27-88	500	22
				01-31-89	480	22
				02-27-89	485	20
				03-28-89	490	22
				04-21-89	470	14
				06-08-89	500	22
				06-28-89	560	24
				08-03-89	520	26
				08-29-89	610	30
				09-30-89	480	30
252947080235202	S - 531			10-24-88	590	36
				11-23-88	550	36
				12-27-88	550	34
				01-31-89	580	44
				02-27-89	560	34
				03-28-89	590	38
				04-21-89	540	40
				06-08-89	580	40
				06-28-89	600	38
				08-03-89	580	50
				08-29-89	650	38
				09-30-89	500	50
252947080235301	G -1180	25 29 47 N	080 23 53 W	11-23-88	540	30
				12-27-88	540	30
				01-31-89	560	32
				02-27-89	565	28
				03-28-89	560	32
				04-21-89	530	30
				06-08-89	560	40
				06-28-89	560	30
				08-03-89	580	28
				08-29-89	560	40
253133080224801	G -1268	25 31 33 N	080 22 48 W	06-20-89	1180	220

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
253202080232601	G -3162	25 31 32 N	080 23 25 W	10-24-88	2340	640
				11-23-88	2300	680
				12-27-88	2650	800
				01-31-89	2600	720
				02-27-89	2900	840
253202080232601	G -3162	25 31 32 N	080 23 25 W	03-28-89	2280	620
				04-21-89	2250	720
				06-28-89	2200	580
				08-03-89	2400	660
				08-29-89	2500	680
				09-30-89	2500	680
253652080183701	G - 939	25 36 52 N	080 18 37 W	10-24-88	9100	2800
				06-20-89	8800	2800
253958080183001	G -3157	25 39 58 N	080 18 30 W	10-24-88	355	14
				06-20-89	540	26
254019080190201	G -1604	25 40 19 N	080 19 02 W	10-24-88	405	38
				06-20-89	630	46
254020080183101	G -1604A	25 40 20 N	080 18 31 W	10-24-88	350	20
				06-20-89	530	22
254107080165201	G - 896	25 41 07 N	080 16 52 W	10-24-88	2050	480
				06-20-89	3300	920
254335080170501	G - 432	25 43 35 N	080 17 05 W	10-24-88	480	46
				06-20-89	1050	190
254457080160301	G -3229	25 44 57 N	080 16 03 W	10-24-88	1780	490
				06-20-89	1360	310
254748080155701	F - 483	25 47 48 N	080 15 57 W	06-14-89	660	76
254813080161501	G -1351	25 48 13 N	080 16 15 W	10-24-88	3900	1100
				06-14-89	1950	510
254813080170001	G -1350	25 48 13 N	080 17 00 W	10-24-88	470	24
				06-20-89	620	50
254833080155801	G -1354	25 48 33 N	080 15 58 W	10-24-88	885	120
				06-14-89	740	88
254834080162801	G - 570	25 48 34 N	080 16 28 W	10-24-88	1200	200
				06-14-89	990	170
254836080165201	G - 577	25 48 36 N	080 16 52 W	10-24-88	600	50
				06-14-89	560	42
254841080164401	G - 571	25 48 41 N	080 16 44 W	10-24-88	800	110
				06-14-89	860	95
254842080161502	G - 355	25 48 42 N	080 16 15 W	10-24-88	850	120
				06-14-89	1110	790
254842080173401	F - 414	25 48 42 N	080 17 34 W	06-14-89	550	38
254842080174301	F - 441	25 48 42 N	080 17 43 W	06-14-89	610	42
254855080163701	G - 548	25 48 55 N	080 16 37 W	06-14-89	1180	230
254943080121501	F - 45	25 49 43 N	080 12 15 W	10-24-88	1000	150
254946080172601	G -3249	25 49 46 N	080 17 26 W	10-24-88	1000	150
255222080123001	G -3224	25 52 22 N	080 12 30 W	10-24-88	640	40
				06-20-89	630	38
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-25-88	7000	2000
255350080105801	G - 894	25 53 50 N	080 10 58 W	10-24-88	1000	160
				06-20-89	1060	180
255357080114201	G - 430	25 53 57 N	080 11 42 W	10-24-88	610	31
				06-20-89	590	34

KEY TC SITE LOCATIONS ON FIGURE 7
GLADES COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	264623081213601	HE 517	192
2	264910081280101	GL 319	192
2	264910081280102	GL 320	193
2	264910081280103	GL 321	193

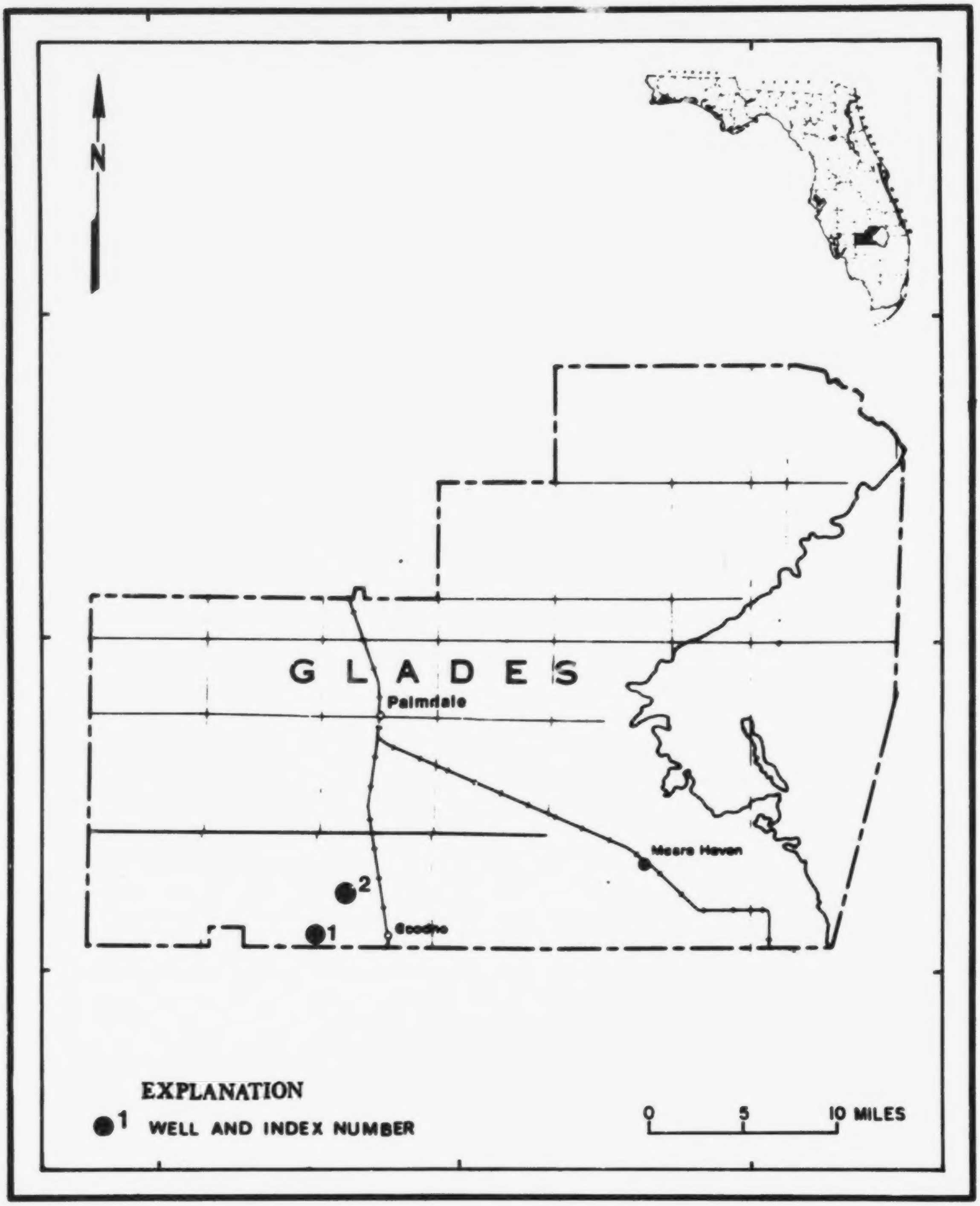
N
GLADES
Palmdale
Moore Haven
2
1
Goodno
EXPLANATION
●1 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 7. Location of wells in Glades County.

GLADES COUNTY

WELL NUMBER.--264523081213601. Local Number HE 517.

LOCATION.--Lat 26°46'12", long 81°22'29", in SE¼NW¼ sec.36, T.42 S., R.29 E., Hydrologic Unit 03090205, 0.3 mi north of State Highway 80, and 3.0 mi west of Goodno. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 138 ft, cased to 128 ft.

REVISED RECORDS.--WDR FL-79-2B: 1977-78.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 16.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, Jan. 20 - Mar. 30, Apr. 8-26, May 5-30, 1989 water year.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.29 ft NGVD; June 25, 1982; lowest, 7.64 ft NGVD, June 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.02	11.10	10.63	9.38	9.68	9.91	9.30	8.45	8.35	10.94	11.19	12.46
10	9.31	10.36	9.56	9.34	9.11	10.07	8.68	8.31	9.25	10.84	10.52	12.02
15	10.12	10.38	10.37	9.52	8.67	10.02	9.40	8.20	8.95	10.41	11.59	10.57
20	9.53	10.54	9.72	10.05	9.55	9.72	9.15	7.98	9.07	10.70	11.44	11.09
25	9.71	10.43	10.12	9.30	8.69	9.57	8.95	8.12	9.05	11.51	11.34	11.39
EOM	9.00	9.87	9.47	8.87	9.11	9.65	9.54	7.81	9.49	11.21	11.69	11.46
MEAN	9.59	10.41	9.95	9.47	9.17	9.58	9.15	8.27	8.90	10.75	11.32	11.45
MAX	10.13	11.24	10.63	10.05	9.77	10.40	9.99	9.58	9.60	11.65	11.85	12.46
MIN	8.82	9.26	8.43	8.57	8.43	8.16	8.68	7.81	7.64	9.88	10.52	10.39

WTR YR 1989 MEAN 9.84 MAX 12.46 SEP 5 MIN 7.64 JUN 1

WELL NUMBER.--264910081280101. Local Number GL 319.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 462 ft, cased to 400 ft, 62 ft open hole.

INSTRUMENTATION.--Measured monthly with pressure gage.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.5 ft NGVD, Aug. 28, 1987; lowest measured, 45.7 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	0910	49.90	30...	1010	45.70
24...	1015	48.60	JUN		
JAN			28...	0925	45.90
25...	0900	49.50	JUL		
FEB			26...	1035	48.40
21...	1050	47.70	AUG		
MAR			28...	0930	48.80
27...	0956	48.00			
APR					
24...	1500	47.30			

GLADES COUNTY

WELL NUMBER.--264910081280102. Local Number GL 320.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 80 ft, cased to 60 ft, 20 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.38 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.36 ft NGVD, Sept. 1, 1988; lowest measured, 35.20 ft NGVD, Nov. 6, 1985, June 4, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0910	37.59	24...	1500	37.95
24...	1015	36.63	MAY		
NOV			30...	1005	35.90
29...	0955	38.38	JUN		
DEC			28...	0925	36.98
29...	0910	38.02	JUL		
JAN			26...	1030	36.50
25...	0900	37.43	AUG		
FEB			28...	0930	36.79
21...	1050	36.56			
MAR					
27...	0954	36.87			

WELL NUMBER.--264910081280103. Local Number GL 321.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 460 ft, cased to 400 ft, 60 ft of open hole.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.0 ft NGVD, Oct. 29, 1987; lowest measured, 49.1 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0905	52.75	24...	1450	50.00
24...	1015	52.20	MAY		
NOV			30...	1000	49.10
29...	0945	52.40	JUN		
DEC			28...	0920	49.20
29...	0900	52.40	JUL		
JAN			26...	1025	51.20
25...	0850	52.80	AUG		
FEB			28...	0925	51.10
21...	1050	50.00			
MAR					
27...	0950	50.50			

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
GLADES COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
264910081280101	GL - 319	26 49 10 N	081 28 01 W	10-24-88	860	100
				04-24-89	870	110
264910081280102	GL - 320			10-24-88	970	110
				04-24-89	1000	120
264910081280103	GL - 321			10-24-88	860	110
				04-24-89	890	110

KEY TO SITE LOCATIONS ON FIGURE 8
HENDRY COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
21	261746081061803	HE 1062	198
21	261746081061804	HE 1063	198
16	261801081042501	HE 884	199
1	261735080534001	HE 861	199
1	261735080534002	HE 862	200
2	261859080585401	HE 3	200
22	262214081113003	HE 1044	201
22	262214081113001	HE 1042	201
22	262214081113002	HE 1043	202
3	262118081002901	HE 868	202
4	262635081044601	HE 860	203
4	262735081044602	HE 859	203
5	263035081073501	HE 855	204
5	263035081073502	HE 856	204
23	263207080553101	HE 1075	205
24	263213081040801	HE 1036	205
24	263213081040802	HE 1037	206
6	263310081250901	HE 529	206
6	263310081250902	HE 554	207
7	263515081012001	HE 854	207
25	263514081170701	HE 1027	208
25	263514081170702	HE 1028	208
25	263514081170703	HE 1029	209
17	263548081200601	HE 852	209
18	263618081143001	HE 853	210
8	263700080550001	HE 339	210
9	263700081070001	HE 5	211
26	263839081203901	HE 1077	211
26	263840081203901	HE 1076	212
10	263845081260701	HE 555	213
10	263845081260702	HE 556	214
10	263845081260703	HE 851	215
11	263930081301501	HE 559	216
11	263930081301502	HE 560	216
11	263930081301503	HE 569	217
27	264046081022801	HE 1068	217
27	264046081022802	HE 1069	218
12	264137081040701	HE 629	218
19	264235081074401	HE 858	219
13	264235081310601	HE 557	219
13	264235081310602	HE 558	220
14	264353081281101	HE 620	220
15	264535081130701	HE 857	221
20	264601081213102	HE 516	222

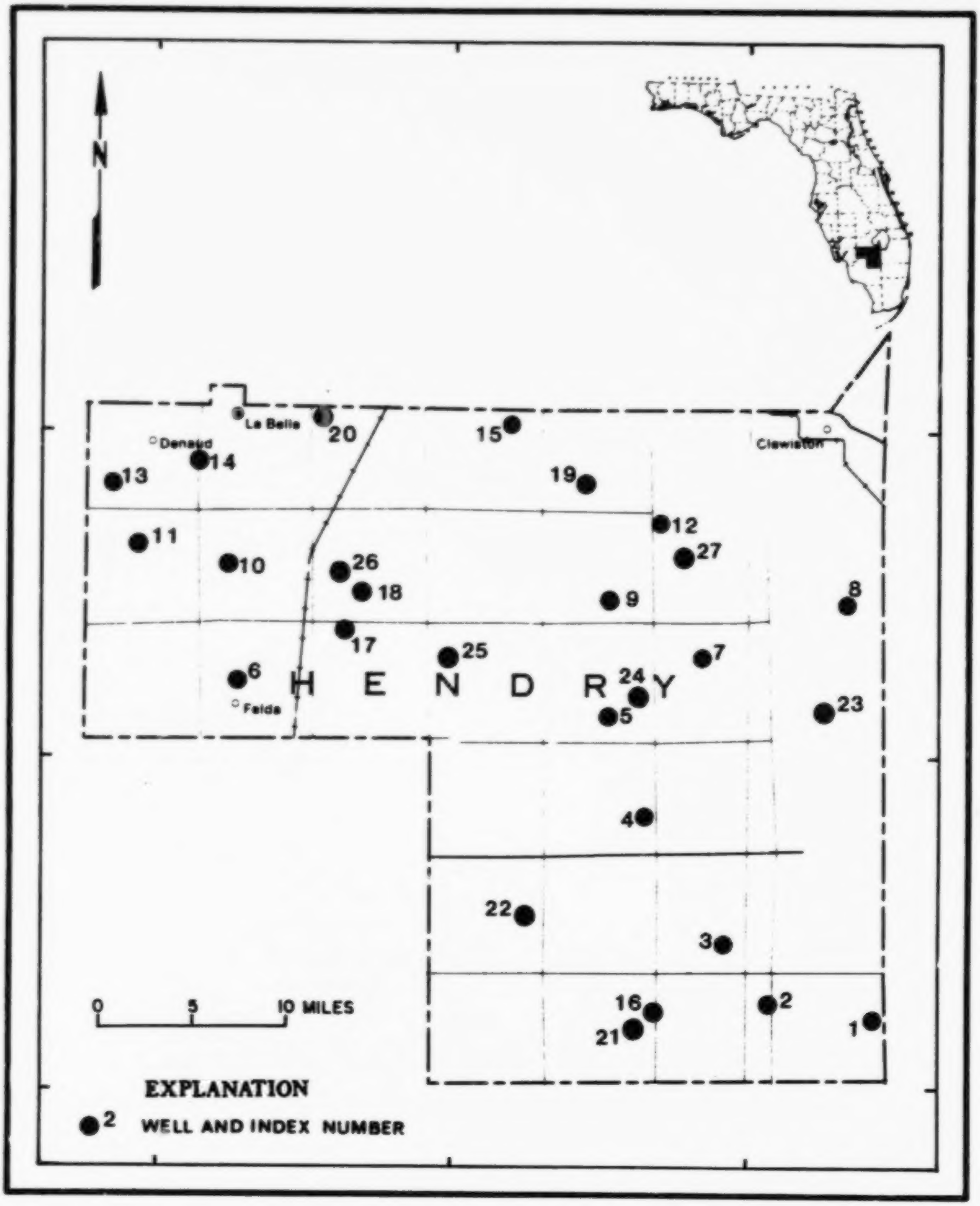
N
La Belle
Denaud
Clewiston
Felda
HENDRY
20
15
14
13
19
12
11
10
26
27
18
9
8
17
25
7
6
24
5
23
4
22
3
16
2
21
1
0
5
10 MILES
EXPLANATION
2 WELL AND INDEX NUMBER

Figure 8. Location of wells in Hendry County.

HENDRY COUNTY

WELL NUMBER.--261746081061803. Local Number HE 1062.

LOCATION.--Lat 26°17'46", long 81°06'18", in NW¼NW¼ sec.23, T.48 S., R.31 E., Hydrologic Unit 03090202, 20 ft south of road, 2 mi west of Feeder Canal, 7.5 mi from C-833 on Government Road by Bingo Parlor 32 mi south of Clewiston. Owner: Department of the Interior.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of 2 inch screen.

INSTRUMENTATION.--Monthly tape measurement with chalked tape.

DATUM.--Land-surface datum is 18.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.34 ft NGVD, Nov. 23, 1987; lowest measured, 12.45 ft NGVD, June 27, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1235	17.84	29...	1140	15.81
24...	1345	16.64	APR		
NOV			26...	1325	15.82
29...	1130	16.72	JUN		
DEC			01...	1115	13.32
28...	1145	16.98	27...	1310	12.45
JAN			JUL		
26...	1125	16.28	24...	1055	13.64
FEB			AUG		
22...	1155	15.28	29...	1150	13.49

WELL NUMBER.--261746081061804. Local Number HE 1063.

LOCATION.--Lat 26°17'46", long 81°06'18", in NW¼NW¼ sec.23, T.48 S., R.32 E., Hydrologic Unit 03090202, 20 ft south of road, 2 mi west of Feeder Canal, 7.5 mi from C-833 on Government Road by Bingo Parlor, 32 mi south of Clewiston.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 123 ft, cased to 78 ft, 45 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.41 ft NGVD, Nov. 23, 1987; lowest measured, 13.65 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1235	17.82	29...	1135	15.56
24...	1345	17.63	APR		
NOV			26...	1325	15.87
29...	1130	17.02	JUN		
DEC			01...	1115	13.65
28...	1145	17.19	27...	1310	13.92
JAN			JUL		
26...	1125	16.58	24...	1055	15.44
FEB			AUG		
22...	1155	15.56	29...	1145	16.05

HENDRY COUNTY

WELL NUMBER.--261801081042501. Local Number HE 884.

LOCATION.--Lat 26°18'01", long 81°04'25", in SW¼SW¼ sec.18, T.48 S., R.33 E., Hydrologic Unit 03090202, 100 ft from SW corner of bridge over West Feeder Canal, 5.5 mi from SR 833 on Goverment Rd by Bingo Parlor 30 mi south of Clewiston. Owner: Department of Interior.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 67 ft, cased to 62 ft, openhole 62-67 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.37 ft NGVD, June 30, 1988; lowest measured, 13.68 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1230	16.66	29...	1140	14.89
24...	1400	15.81	APR		
NOV			26...	1340	15.40
29...	1135	16.21	JUN		
DEC			01...	1120	13.68
28...	1150	16.40	27...	1315	14.33
JAN			JUL		
26...	1130	16.16	24...	1100	15.31
FEB			AUG		
22...	1200	15.34	29...	1155	15.70

WELL NUMBER.--261735080534001. Local Number HE 861.

LOCATION.--Lat 26°18'05", long 80°53'40", in NW¼NW¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, on the south side of County Highway 833, .75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 70 ft, cased to 37 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.78 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to November 1977, (monthly measurements), December 1977 to September 1983, (water level recorder), October 1983 to current year. Prior record is available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.40 ft NGVD, Aug. 24 and 25, 1978; lowest, 7.04 ft NGVD, May 31, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1330	11.09	29...	1215	10.02
24...	1500	10.02	APR		
NOV			26...	1410	9.93
29...	1210	10.51	JUN		
DEC			01...	1050	9.17
28...	1230	11.00	27...	1245	10.51
JAN			JUL		
26...	1155	10.43	24...	1030	11.70
FEB			AUG		
22...	1230	9.63	29...	1125	11.53

HENDRY COUNTY

WELL NUMBER.--261735080534002. Local Number HE 862.

LOCATION.--Lat 26°18'05", long 80°53'40", in NW¼NW¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, on the south side of County Highway 833, .75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 10.7 ft, cased to 7 ft.

INSTRUMENTATION.--Water level recorder.

DATUM.--Land-surface datum is 14.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.71 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 4-8, Nov. 23-30, Nov. 29 - Jan. 1, Jan. 21-24, Mar. 2-7, Mar. 10-15, June 25-27, 1989 water year.

PERIOD OF RECORD.--September 1977 to November 1977 (monthly measurements), December 1977 to September 1983 (water level recorder), October 1983 to September 1988 (monthly), October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.43 ft NGVD, Aug. 18, 1978; lowest measured, 10.00 ft NGVD, Apr. 22, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.24	11.00	10.90	11.25	10.76	10.34	11.35	11.60	10.50	11.98	11.70	12.78
10	11.27	10.56	11.07	11.17	10.65	10.50	11.18	11.32	10.58	11.77	11.54	12.58
15	11.10	10.50	11.24	11.08	10.54	10.45	11.79	11.06	12.00	11.93	12.12	12.54
20	10.96	10.47	11.15	10.99	10.41	11.75	11.90	10.87	10.47	12.41	12.19	13.14
25	10.81	10.55	11.70	10.96	10.33	11.69	11.70	11.02	11.50	12.09	12.25	13.91
EOM	10.66	10.59	11.34	10.86	10.30	11.54	11.70	10.71	11.99	11.77	12.45	13.82
MEAN	11.06	10.57	11.23	11.09	10.56	11.04	11.58	11.17	10.91	11.98	12.00	13.06
MAX	11.41	11.00	11.80	11.31	10.85	11.75	11.99	11.71	12.00	12.41	12.45	14.31
MIN	10.66	10.45	10.79	10.86	10.30	10.29	11.09	10.71	10.46	11.61	11.52	12.38

WTR YR 1989 MEAN 11.36 MAX 14.31 SEP 29 MIN 10.29 MAR 1

WELL NUMBER.--261859080585401. Local Number HE 3.

LOCATION.--Lat 26°18'59", long 80°58'54", in SW¼SE¼ sec.12, T.48 S., R.33 E., Hydrologic Unit 03090202, in Big Cypress Indian Reservation, 12.2 southeast of Intersection of State Highway 846 and State Highway 833, and 30.4 mi south of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 10 ft, cased to 8.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.38 ft NGVD; June 24, 1982; lowest, 12.79 ft NGVD, June 6-12, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1300	17.95	29...	1150	15.17
24...	1420	17.09	APR		
NOV			26...	1400	16.60
29...	1145	17.00	JUN		
DEC			01...	1100	15.22
28...	1200	17.29	27...	1300	16.24
JAN			JUL		
26...	1140	16.88	24...	1040	16.85
FEB			AUG		
22...	1210	16.09	29...	1135	17.35

HENDRY COUNTY

WELL NUMBER.--262214081113003. Local Number HE 1044.

LOCATION.--Lat 26°22'14", long 81°11'13", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, at windmill, 325 ft east of road, 4.8 mi south of C-846, 11.2 mi east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 400 ft, cased to 320 ft, 80 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of gate value, 2.09 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.00 ft NGVD, Jan. 24, 1989; lowest measured, 35.30 ft NGVD, Oct. 29, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1015	38.90	30...	1105	36.90
27...	1030	38.30	APR		
NOV			24...	1510	37.90
28...	1200	38.30	JUN		
DEC			06...	1200	37.20
27...	1100	40.00	29...	1120	37.50
JAN			JUL		
24...	1145	41.00	28...	0940	37.90
FEB					
24...	1100	38.10			

WELL NUMBER.--262214081113001. Local Number HE 1042.

LOCATION.--Lat 26°22'14", long 81°11'30", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, 325 ft east of road, 4.8 mi south of C-846, 11.2 miles east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 80 ft, cased to 40 ft, 40 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.89 ft NGVD, Jan. 26, 1988; lowest measured, 18.37 ft NGVD, June 6, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1015	22.02	30...	1100	19.15
27...	1035	20.49	APR		
NOV			24...	1510	20.04
28...	1200	20.81	JUN		
DEC			06...	1200	18.37
27...	1100	20.43	29...	1120	19.97
JAN			JUL		
24...	1140	20.10	28...	0940	20.79
FEB					
24...	1100	19.23			

WELL NUMBER.--262214081113002. Local Number HE 1043.

LOCATION.--Lat 26°22'14", long 81°11'30", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, 325 ft east of road, 4.8 mi south of C-846, 11.2 mi east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.72 ft NGVD, Nov. 24, 1987; lowest measured, 18.87 ft NGVD, June 6, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1015	22.20	30...	1100	19.30
27...	1035	20.18	APR		
NOV			24...	1510	20.22
28...	1200	20.82	JUN		
DEC			06...	1200	18.87
27...	1100	20.28	JUL		
JAN			28...	0940	20.17
24...	1140	20.09			
FEB					
24...	1100	19.20			

WELL NUMBER.--262118081002901. Local Number HE 868.

LOCATION.--Lat 26°22'25", long 81°01'01", in SW¼SE¼ sec.22, T.47 S., R.33 E., Hydrologic Unit 03090202, 25 ft from the east side of County Highway 833, 4 mi south of County Highway 846, approximately 24 mi south of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIMN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 97 ft, cased to 84 ft.

INSTRUMENTATION.--Monthly measurement with chalk tape.

DATUM.--Land-surface datum is 20.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, November 1985 to current year. Prior years available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.45 ft NGVD, July 2, 1986; lowest measured, 15.97 ft NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1210	18.62	29...	1120	15.97
24...	1315	17.91	APR		
NOV			26...	1300	16.24
29...	1010	18.12	JUN		
DEC			01...	1130	16.04
28...	1130	17.81	27...	1325	18.11
JAN			JUL		
26...	1105	17.23	24...	1115	19.32
FEB			AUG		
22...	1140	17.10	29...	1205	18.93

HENDRY COUNTY

WELL NUMBER.--262735081044601. Local Number HE 860.

LOCATION.--Lat 26°27'35", long 81°04'46", in SE¼SE¼ sec.24, T.46 S., R.33 E., Hydrologic Unit 03090204, on the north side of County Highway 846, 3 mi east of County Highway 833, and 23 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 16.5 ft, cased to 9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.03 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, November 1985 to current year. Records of water levels prior to November 1985 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECCRD.--Highest water level measured, 26.25 ft NGVD, Aug. 30, 1988; lowest measured, 21.68 ft NGVD, June 27, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1155	24.80	29...	1115	22.63
24...	1155	23.00	APR		
NOV			26...	1240	23.25
29...	1055	24.21	JUN		
DEC			01...	1140	22.60
28...	1120	24.10	27...	1335	23.46
JAN			JUL		
26...	1050	23.70	24...	1125	23.48
FEB					
22...	1130	23.08			

WELL NUMBER.--262735081044602. Local Number HE 859.

LOCATION.--Lat 26°27'35", long 81°04'46", in SE¼SE¼ sec.24, T.46 S., R.32 E., Hydrologic Unit 03090204, on the north of County Highway 846, 3 mi east of County Highway 833 and 23 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 59 ft, cased to 58 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, November 1985 to current year. Records of water levels prior to October 1985 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.21 ft NGVD, Aug. 29, 1986; lowest measured, 11.58 ft NGVD, Apr. 26, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1150	22.66	29...	1110	19.93
24...	1250	21.57	APR		
NOV			26...	1240	20.60
29...	1055	22.53	JUN		
DEC			01...	1140	21.08
28...	1115	21.65	27...	1335	22.80
JAN			JUL		
26...	1050	21.73	24...	1125	22.89
FEB			AUG		
22...	1130	20.93	29...	1215	22.56

HENDRY COUNTY

WELL NUMBER.--263035081073501. Local Number HE 855.

LOCATION.--Lat 26°31'35", long 81°07'35", in SW¼NW¼ sec.34, T.45 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 15 mi south of State Highway 80, and 19 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami Aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 90 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.57 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1979 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.28 ft NGVD, Aug. 30, 1988; lowest, 18.58 ft NGVD, May 1, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1125	25.35	29...	1055	21.87
24...	1230	24.47	APR		
NOV			26...	1215	23.31
29...	1045	23.75	JUN		
DEC			01...	1155	20.85
28...	1105	23.47	27...	1345	23.64
JAN			JUL		
26...	1045	23.49	24...	1140	23.74
FEB			AUG		
22...	1115	22.80	29...	1230	25.42

WELL NUMBER.--263035081073502. Local Number HE 856.

LOCATION.--Lat 26°31'35", long 81°07'35", in SW¼NW¼, sec.34, T.45 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 15 mi south of State Highway 80, and 19 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11 ft, cased to 9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.09 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1979 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.44 ft NGVD, Oct. 31, 1986; lowest, 23.57 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1130	26.51	29...	1100	24.67
24...	1230	25.38	APR		
NOV			26...	1215	24.69
29...	1045	24.95	JUN		
DEC			01...	1155	24.13
28...	1105	24.59	27...	1345	24.67
JAN			JUL		
26...	1045	25.00	24...	1135	24.37
FEB			AUG		
22...	1115	24.17	29...	1230	26.12

HENDRY COUNTY

WELL NUMBER.--263207080553101. Local Number HE 1075.

LOCATION.--Lat 26°32'07", long 80°55'03", in SE¼SW¼ sec.27, T.45 S., R.34 E., Hydrologic Unit 03090202, 60 ft north of Barn, 6.6 mi south of HE 339 and C 832, 15 mi south of Clewiston. Owner: U.S. Sugar.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 155 ft, cased to 135 ft, 20 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.45 ft NGVD; Apr. 20, 1988; lowest measured, 10.92 ft NGVD, Nov. 23, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1045	12.11	29...	1020	12.16
24...	1115	12.44	APR		
NOV			26...	1110	11.42
29...	1000	11.77	JUN		
DEC			01...	1240	11.85
28...	1025	11.53	27...	1455	11.82
JAN			JUL		
26...	1005	12.05	24...	1235	12.38
FEB			AUG		
22...	1030	11.92	29...	1410	12.33

WELL NUMBER.--263213081040801. Local Number HE 1036.

LOCATION.--Lat 26°32'13", long 81°04'08", in NE¼SW¼ sec.30, T.45 S., R.33 E., Hydrologic Unit 03090202, 400 ft north of Dooley Road, 3.5 mi east of S 833, 20 miles southeast of Clewiston. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.03 ft NGVD, Aug. 30, 1988; lowest measured, 22.50 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1115	24.52	29...	1050	22.77
24...	1200	23.29	APR		
NOV			26...	1150	22.99
29...	1030	23.66	JUN		
DEC			01...	1210	22.50
28...	1100	23.13	27...	1400	24.06
JAN			JUL		
26...	1030	23.25	24...	1155	23.59
FEB			AUG		
22...	1105	22.61	29...	1245	23.72

HENDRY COUNTY

WELL NUMBER.--263213081040802. Local Number HE 1037.

LOCATION.--Lat 26°32'13", long 81°04'08", in NE¼SW¼ sec.30, T.45 S., R.33 E., Hydrologic Unit 03090202, 400 ft north of Dooley Road, 3.5 mi east of S 833, 20 mi southeast of Clewiston. Owner: South Florida Water Management District.

AQUIFER.--Limestone aquifer of the Pleistocene Age, Geologic Unit 112 LMSN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 120 ft, cased to 50 ft, 70 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.21 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.85 ft NGVD, Nov. 23, 1987; lowest measured, 21.27 ft NGVD, Oct. 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1115	24.34	29...	1050	22.47
24...	1200	21.27	APR		
NOV			26...	1150	22.59
29...	1035	23.53	JUN		
DEC			01...	1205	21.98
28...	1100	22.92	27...	1400	23.19
JAN			JUL		
26...	1030	23.10	24...	1155	23.14
FEB			AUG		
22...	1105	22.30	29...	1245	23.68

WELL NUMBER.--263310081250901. Local Number HE 529.

LOCATION.--Lat 26°33'10", long 81°25'09", in NW¼NW¼ sec.21, T.45 S., R.29 E., Hydrologic Unit 03090205, 1.0 mi west of State Highway 29, and 1.0 mi north of Felda. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 155 ft, cased to 135 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 32.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.55 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, June 8-12, July 24 - Aug. 29, 1989 water year.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.69 ft NGVD, Oct. 5, 1982; lowest, 25.10 ft NGVD, May 3, 8, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.94	28.02	27.59	26.09	27.18	27.62	27.77	28.32	26.58	30.03	29.40	30.05
10	28.13	27.98	27.27	26.23	25.74	28.79	27.54	28.01	27.25	30.30	30.15	29.95
15	27.76	26.81	27.43	26.29	25.97	27.51	28.18	27.77	26.99	29.86	29.80	29.66
20	26.99	26.83	26.67	26.09	26.28	28.52	28.82	27.75	26.85	29.69	29.90	29.68
25	26.79	27.77	27.21	27.55	25.60	28.36	28.54	27.54	27.54	29.80	30.00	29.91
EOM	26.90	26.93	26.65	26.99	25.74	27.60	28.26	27.13	29.54	29.80	29.31	29.54
MEAN	27.60	27.48	27.11	26.56	26.34	28.01	28.08	27.76	27.24	29.91	29.84	29.75
MAX	28.94	28.24	27.84	27.58	27.18	28.79	28.90	28.45	29.54	30.38	30.45	30.07
MIN	26.76	26.57	26.30	25.76	25.41	25.81	27.00	26.90	26.31	29.65	29.25	29.22

WTR YR 1989 MEAN 27.99 MAX 30.45 AUG 11 MIN 25.41 FEB 24

HENDRY COUNTY

WELL NUMBER.--263310081250902. Local Number HE 554.

LOCATION.--Lat 26°33'10", long 81°25'09", in NW¼NW¼ sec.21, T.45 S., R.29 E., Hydrologic Unit 03090205, 1.0 mi west of State Highway 29, and 1.0 mi north of Felda. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 32.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.58 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.22 ft NGVD, Oct. 31, 1986; lowest daily maximum water level, 26.74 ft NGVD, June 3, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1155	29.48	19...	1020	28.95
25...	0950	28.74	24...	1210	29.63
NOV			MAY		
28...	1245	28.39	30...	1220	28.56
DEC			JUN		
29...	1215	28.26	28...	1130	29.69
JAN			JUL		
25...	1135	28.62	26...	1230	30.03
FEB			AUG		
21...	1315	28.04	28...	1140	30.92
MAR					
27...	1200	29.33			

WELL NUMBER.--263515081012001. Local Number HE 854.

LOCATION.--Lat 26°35'10", long 81°02'06", in SE¼NE¼ sec.9, T.45 S., R.33 E., Hydrologic Unit 03090202, on the north side of Hill Grade Road, 3.35 mi west of State Road 846, and 16 mi south of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 14 ft, cased to 3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, February 1986 to current year. Records of water levels prior to February 1986 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.63 ft NGVD, Oct. 31, 1986; lowest measured, 18.02 ft NGVD, June 27, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1020	19.65	29...	0955	19.05
24...	1030	19.02	APR		
NOV			26...	1040	19.66
28...	0935	19.54	JUN		
DEC			01...	1310	18.76
28...	1000	19.11	27...	1430	19.80
JAN			JUL		
26...	0940	19.42	24...	1300	19.17
FEB			AUG		
22...	1005	18.65	29...	1340	20.09

HENDRY COUNTY

WELL NUMBER.--263514081170701. Local Number HE 1027.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 7 ft, cased to 4 ft, 3 feet of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.71 ft NGVD; Nov. 23, 1987; lowest, 25.85 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1115	29.23	24...	1255	27.12
25...	0850	26.73	MAY		
NOV			30...	1140	25.85
29...	1200	27.11	JUN		
DEC			27...	1100	29.23
29...	1130	27.23	JUL		
JAN			26...	1200	27.41
25...	1055	27.67	AUG		
FEB			28...	1100	29.27
21...	1230	26.52			
MAR					
27...	1120	26.99			

WELL NUMBER.--263514081170702. Local Number HE 1028.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 60 ft, cased to 40 ft, 20 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.32 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.48 ft NGVD, Sept. 1, 1988; lowest measured, 25.83 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1115	28.72	24...	1255	27.03
25...	0845	27.09	MAY		
NOV			30...	1145	25.83
29...	1200	27.14	JUN		
DEC			28...	1100	28.91
29...	1130	27.13	JUL		
JAN			26...	1200	27.73
25...	1050	27.26	AUG		
FEB			28...	1100	28.53
21...	1235	26.31			
MAR					
27...	1120	26.64			

HENDRY COUNTY

WELL NUMBER.--263514081170703. Local Number HE 1029.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 182 ft, cased to 92 ft, 70 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.64 ft NGVD, Dec. 28, 1987; lowest measured, 25.83 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1120	28.75	24...	1255	27.03
25...	0845	27.09	MAY		
NOV			30...	1145	25.83
29...	1200	27.18	JUN		
DEC			28...	1100	28.90
29...	1130	27.12	JUL		
JAN			26...	1200	27.75
25...	1055	27.28	AUG		
FEB			28...	1100	28.56
21...	1235	26.33			
MAR					
27...	1120	26.73			

WELL NUMBER.--263548081200601. Local Number HE 852.

LOCATION.--Lat 26°35'48", long 81°20'06", in NW¼SW¼ sec.4, T.45 S., R.30 E., Hydrologic Unit 03090205, 50 ft south of County Rd. 832 at Kery Fire Tower, 6.3 mi east of State Rd. 29, 18 mi southeast of Labelle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 14 ft, cased to 9 ft, 5 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 29.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft, above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.84 ft NGVD, Oct. 31, 1986; lowest measured, 24.96 ft NGVD, May 31, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1050	27.76	24...	1230	26.39
25...	0930	26.73	MAY		
NOV			30...	1150	25.29
29...	1150	26.37	JUN		
DEC			28...	1105	26.92
29...	1045	26.24	JUL		
JAN			26...	1210	26.67
25...	1100	26.20	AUG		
FEB			28...	1110	27.43
21...	1245	25.47			
MAR					
27...	1111	25.85			

HENDRY COUNTY

WELL NUMBER.--263618081143001. Local Number HE 853.

LOCATION.--Lat 26°36'18", long 81°14'30", in SE¼SE¼ sec.32, T.44 S., R.31 E., Hydrologic Unit 03090205, 50 ft north of County Rd 832, 7 mi west of County Rd 833, 20 mi southwest of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 112 SNDS.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 61 ft, cased to 17 ft, 44 ft openhole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.02 ft NGVD, Oct. 31, 1986; lowest measured, 24.72 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1100	27.26	24...	1305	25.82
25...	0800	26.09	MAY		
NOV			30...	1135	24.72
29...	1215	26.21	JUN		
DEC			28...	1050	28.43
29...	1050	26.03	JUL		
JAN			26...	1150	27.59
25...	1025	26.25	AUG		
FEB			28...	1055	27.97
21...	1220	25.26			
MAR					
27...	1130	25.84			

WELL NUMBER.--263700080550001. Local Number HE 339.

LOCATION.--Lat 26°37'27", long 80°55'10", in SE¼SE¼ sec.27, T.44 S., R.34 E., Hydrologic Unit 03090205, 25 ft west of State Road 832, 8.3 mi south of Clewiston, and 24.4 mi southeast of Ortona Lock. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 9.5 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.11 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.52 ft NGVD, Sept. 21, 1964; lowest measured, 10.80 ft NGVD, Aug. 29, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1030	13.17	[illegible]...	1010	12.78
24...	1050	13.53	APR		
NOV			26...	1100	12.41
29...	0950	13.05	JUN		
DEC			01...	1255	12.52
28...	1015	12.91	27...	1440	12.59
JAN			JUL		
26...	0955	12.14	24...	1220	12.71
FEB			AUG		
22...	1020	12.83	29...	1305	12.84

HENDRY COUNTY

WELL NUMBER.--263700081070001. Local Number HE 5.

LOCATION.--Lat 26°37'50", long 81°07'40", in NW¼NW¼ sec.27, T.44 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 8.1 mi south of State Highway 80, and 20 mi southeast of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft, cased to 8.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.04 ft above National Geodetic Vertical Datum of 1929. Prior to January 1974, land-surface datum was considered to be 27.26 ft above NGVD. January 1974 to September 1974, land-surface datum was considered to be 25.00 ft above NGVD. October 1974 to September 1975, land-surface datum was considered to be 28.16 ft above NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 2.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1941 to October 1967, August 1969 to current year. Records of water levels prior to August 1950 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.22 ft NGVD, present datum, Oct. 2, 1951; lowest, 20.12 ft NGVD, present datum, May 22, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
06...	0955	23.91
24...	1010	23.32
NOV		
29...	0925	23.31
DEC		
28...	0950	23.20
JAN		
26...	0830	23.37
FEB		
22...	0950	22.77
MAR		
29...	0940	23.62
APR		
26...	1020	23.36
JUN		
27...	1525	24.22
JUL		
24...	1310	23.50
AUG		
29...	1350	24.78

WELL NUMBER.--26383908123901. Local Number HE 1077.

LOCATION.--Lat 26°38'39", long 81°20'39", in NW¼NE¼ sec.20, T.44 S., R.30 E., Hydrologic Unit 03090205, 600 ft south of Sears Road, 2 mi east of Sears, 5.7 mi east of SR 29, 9 mi southeast of La Belle. Owner: Alico.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 10 ft, cased to 5 ft, 5 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.62 ft NGVD, Sept. 1, 1988; lowest measured, 23.50 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
04...	1030	26.80
24...	1350	25.24
NOV		
29...	1120	25.02
DEC		
29...	1000	24.73
JAN		
25...	1000	25.18
FEB		
21...	1130	23.99
MAR		
27...	1050	24.54
APR		
24...	1415	24.77
MAY		
30...	1105	23.50
JUN		
28...	1020	25.50
JUL		
26...	1155	25.50
AUG		
28...	1030	25.79

HENDRY COUNTY

WELL NUMBER.--263840081203901. Local Number HE 1076.

LOCATION.--Lat 26°38'40", long 81°20'39", in NW¼NE¼ sec.20, T.44 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of Sears Road, 2 mi east of Sears, 5.7 mi east of SR 29, 9 mi southeast of La Belle. Owner: Alico.

AQUIFER.--Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 340 ft, cased to 300 ft, 40 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.55 ft NGVD, Sept. 1, 1988; lowest measured, 17.40 ft NGVD, Oct. 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1030	20.21	24...	1415	20.51
24...	1335	17.40	MAY		
NOV			30...	1105	17.69
29...	1115	20.25	JUN		
DEC			28...	1020	21.02
29...	1000	20.63	JUL		
JAN			26...	1125	24.25
25...	1000	20.73	AUG		
FEB			28...	1030	25.15
21...	1130	18.07			
MAR					
27...	1050	19.81			

HENDRY COUNTY

WELL NUMBER.--263845081260701. Local Number HE 555.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 29 and Sears Road and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 270 ft, cased to 250 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft, above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.27 ft NGVD, Nov. 6, 1985; lowest daily maximum water level, 8.58 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
04...	1010	14.13
24...	1300	13.50
NOV		
16...	1000	16.50
29...	1005	17.04
DEC		
12...	0950	15.70
29...	1030	17.04
JAN		
09...	1050	16.57
25...	0945	16.96
FEB		
13...	1000	15.09
21...	1205	13.93
MAR		
13...	1000	15.19
27...	1035	16.29
APR		
13...	0955	14.96
24...	1345	17.39
MAY		
02...	0945	14.42
15...	1000	14.56
30...	1050	14.59
JUN		
12...	1005	15.98
28...	1005	18.73
JUL		
10...	1235	21.27
2[illegible]...	1110	23.00
AUG		
14...	1000	23.66
28...	1015	24.03

HENDRY COUNTY

WELL NUMBER.--263845081260702. Local Number HE 556.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 29 and Sears Road, and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 155 ft, cased to 135 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 6-10, Jan. 30-31, Feb. 1-5, Feb. 10-13, Apr. 7-8, Aug. 25-28, 1989 water year.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.64 ft NGVD, Nov. 30, 1987; lowest, 6.54 ft NGVD, Mar. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.88	14.43	16.76	15.54	16.50	10.23	16.59	15.86	14.74	20.47	22.68	23.49
10	17.71	16.12	16.00	15.69	16.20	13.79	15.18	13.09	16.15	21.19	22.17	23.79
15	18.03	15.96	16.36	15.60	13.47	15.63	14.73	13.76	16.96	21.72	21.91	23.36
20	16.31	15.53	15.51	15.32	12.44	14.57	16.37	14.94	17.63	22.08	21.58	23.34
25	15.15	17.06	17.18	16.78	8.60	15.33	17.18	13.54	18.37	22.55	22.05	23.40
EOM	13.64	17.42	15.63	16.40	7.64	15.94	13.81	14.45	19.37	22.21	23.30	23.69
MEAN	16.03	15.84	16.51	15.94	13.65	13.65	15.80	14.41	16.78	21.56	22.26	23.48
MAX	18.03	17.55	17.49	16.85	16.82	15.94	17.20	15.86	19.37	22.55	23.32	23.88
MIN	13.41	13.39	15.51	15.32	6.73	6.54	13.81	12.94	13.23	19.60	21.48	22.96

WTR YR 1989 MEAN 17.18 MAX 23.88 SEP 13 MIN 6.54 MAR 1

HENDRY COUNTY

WELL NUMBER.--263845081260703. Local Number HE 851.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, southeast corner of intersection of State Highway 29 and Sears Road, and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.97 ft, above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.61 ft NGVD, Sept. 1, 1988; lowest measured, 22.59 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1015	28.06	13...	0950	25.48
24...	1250	26.34	19...	1000	25.74
NOV			24...	1345	25.32
16...	1000	26.64	MAY		
29...	1005	26.37	02...	0945	25.25
DEC			15...	1000	24.90
12...	0940	26.22	30...	1050	24.42
29...	1030	25.75	JUN		
JAN			12...	1000	24.58
09...	1050	25.62	28...	1010	26.04
25...	0945	26.21	JUL		
FEB			10...	1235	27.71
13...	1000	25.59	26...	1110	27.84
21...	1210	25.42	AUG		
MAR			14...	1000	27.85
27...	1040	25.89	28...	1015	27.68

HENDRY COUNTY

WELL NUMBER.--263930081301501. Local Number HE 559.

LOCATION.--Lat 26°39'30", long 81°30'01", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.8 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, artesian, observation well, diameter 4 in., depth 165 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979, December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.54 ft NGVD, Nov. 28, 1979; lowest measured, 16.76 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0850	17.44	30...	0950	17.68
27...	1350	17.62	APR		
NOV			26...	1100	18.06
30...	0755	18.62	MAY		
DEC			02...	0910	18.36
29...	1000	18.11	30...	1000	16.76
JAN			JUN		
25...	0930	17.94	29...	1020	18.91
FEB			JUL		
23...	0945	17.18	26...	1015	20.07

WELL NUMBER.--263930081301502. Local Number HE 560.

LOCATION.--Lat 26°39'30", long 81°30'15", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.8 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 87 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979 (monthly), December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.71 ft NGVD, Sept. 26, 1979; lowest measured, 19.25 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0850	19.85	19...	0945	19.72
27...	1405	19.86	26...	1100	20.02
NOV			MAY		
30...	0755	20.45	02...	0910	20.09
DEC			30...	0950	19.25
29...	1000	20.17	JUN		
JAN			29...	1010	20.50
25...	0930	19.97	JUL		
FEB			26...	1015	21.35
23...	0950	19.49	AUG		
MAR			28...	0935	21.48
30...	0945	19.82			

HENDRY COUNTY

WELL NUMBER.--263930081301503. Local Number HE 569.

LOCATION.--Lat 26°39'30", long 81°30'15", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.9 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 11 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979, December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.65 ft NGVD, July 27, 1982; lowest measured, 20.07 ft NGVD, Mar. 30, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0855	23.46	26...	1100	23.34
27...	1405	23.10	MAY		
NOV			02...	0910	24.23
30...	0750	23.79	30...	0945	23.74
DEC			JUN		
29...	1000	23.36	29...	1015	22.92
JAN			JUL		
25...	0930	24.14	26...	1015	23.16
FEB			AUG		
23...	0950	23.59	28...	0930	22.78
MAR					
30...	0945	23.29			

WELL NUMBER.--264046081022801. Local Number HE 1068.

LOCATION.--Lat 26°40'46", long 81°02'28", in NE¼NW¼ sec.9, T.44 S., R.33 E., Hydrologic Unit 03090202, 500 ft south and 0.2 mi east of end of road, 1.3 mi east of Flag Hole Road, 5 mi south of U.S. 27. Owner: South Florida Water Management District.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 160 ft, cased to 60 ft, 100 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.35 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.80 ft NGVD, July 28, 1988; lowest measured, 15.79 ft NGVD, Feb. 23, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	0930	17.48	29...	0925	17.30
24...	0925	16.47	APR		
NOV			26...	1000	17.70
29...	0910	16.50	JUN		
DEC			01...	1340	16.61
29...	0930	16.47	27...	1545	17.98
JAN			JUL		
26...	0900	16.70	24...	1325	17.48
FEB			AUG		
22...	0930	16.62	29...	1420	17.51

HENDRY COUNTY

WELL NUMBER.--264046081022802. Local Number HE 1069.

LOCATION.--Lat 26°40'46", long 81°02'28", in NE¼NW¼ sec.9, T.44 S., R.33 E., Hydrologic Unit 03090202, 500 ft south and 0.2 mi east of end of road, 1.3 mi east of Flag Hole Road, 5 mi south of U.S. 27. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Miocene Age, Geologic Unit 122 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 13 ft, cased to 3 ft, 10 ft of 2 in screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.35 ft NGVD, July 28, 1988; lowest measured, 14.95 ft NGVD, Dec. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	0930	16.08	29...	0930	17.04
24...	0925	15.86	APR		
NOV			26...	1000	17.56
29...	0910	15.91	JUN		
DEC			01...	1340	16.18
28...	0930	14.95	27...	1545	18.12
JAN			JUL		
26...	0910	16.13	24...	1325	16.96
FEB			AUG		
22...	0930	15.78	29...	1410	16.96

WELL NUMBER.--264137081040701. Local Number HE 629.

LOCATION.--Lat 26°41'37", long 81°04'07", in NW¼NE¼ sec.6, T.44 S., R.33 E., Hydrologic Unit 03090205, at Girl Scout Camp, 4 mi south of U.S. Highway 27 on Flaghole Road, 9 mi southwest of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 44 ft, cased to 33 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.81 ft above National Geodetic Vertical Datum of 1929. Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to current year. Records of water levels prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD.--Highest water level measured, 19.62 ft NGVD, Oct. 1, 1984; lowest measured, 16.62 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	0910	17.47	29...	0915	17.25
24...	0900	17.35	APR		
NOV			26...	0940	17.84
29...	0855	17.31	JUN		
DEC			01...	1350	16.62
28...	0920	17.05	27...	1600	17.13
JAN			JUL		
26...	0900	17.38	24...	1350	18.47
FEB			AUG		
22...	0920	17.13	29...	1425	18.50

HENDRY COUNTY

WELL NUMBER.--264235081074401. Local Number HE 858.

LOCATION.--Lat 26°42'35", long 81°07'44", in SW¼SW¼ sec.27, T.43 S., R.32 E., Hydrologic Unit 03090205, 50 and east of County Rd 830, 2.9 mi on County Rd 833 south of State Rd 80, 11 mi southwest of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 17 ft, cased to 12 ft, 5 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.74 ft NGVD, Oct. 31, 1986; lowest measured, 17.95 ft NGVD, Apr. 22, 1987 (revision).

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	0900	20.23	29...	0855	19.88
24...	1000	19.85	APR		
NOV			26...	0920	20.16
29...	0830	20.10	JUN		
DEC			01...	1410	19.66
28...	0900	19.76	27...	1615	20.71
JAN			JUL		
26...	0845	20.37	24...	1405	19.81
FEB			AUG		
22...	0905	21.01	29...	1440	20.11

WELL NUMBER.--264235081310601. Local Number HE 557.

LOCATION.--Lat 26°42'35", long 81°31'06", in SE¼NE¼ sec.28, T.43 S., R.28 E., Hydrologic Unit 03090205, on west side of Fort Denaud Road, 0.1 mi north of State Road 80, and 6.1 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 102 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.23 ft NGVD, June 25, 1982; lowest measured, 6.97 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0830	14.91	30...	0910	8.59
05...	0840	10.60	APR		
27...	1440	8.75	26...	0945	8.79
NOV			MAY		
30...	0745	11.70	30...	0915	7.50
DEC			JUN		
29...	0930	9.28	29...	0920	12.04
JAN			JUL		
25...	0910	10.64	26...	0955	12.29
FEB			AUG		
23...	0915	8.99	28...	0850	14.04

HENDRY COUNTY

WELL NUMBER.--264235081310602. Local Number HE 558.

LOCATION.--Lat 26°42'35", long 81°31'06", in SE¼NE¼ sec.28, T.43 S., R.28 E., Hydrologic Unit 03090205, 0.2 mi north of intersection State Highway 80 and State Highway 78A, and 6.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14.0 ft, cased to 3.0 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 17.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.57 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, Dec. 16-28, Sept. 3-30, 1989 water year.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.84 ft NGVD, June 9, 1983; lowest, 12.89 NGVD, Apr. 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.96	15.64	15.12	14.83	14.95	15.35	15.08	14.73	14.77	15.81	15.04	15.80
10	14.70	15.05	14.94	14.81	14.89	15.40	14.83	14.61	15.66	15.29	16.18	15.60
15	14.57	14.89	15.22	14.89	14.78	15.05	15.14	14.55	14.98	14.99	15.38	15.30
20	14.62	14.82	15.12	15.43	14.74	15.18	15.33	14.48	15.27	15.11	15.59	15.70
25	14.48	14.97	14.94	15.08	14.84	15.13	14.85	14.70	15.27	15.22	15.38	15.40
EOM	14.48	15.64	14.87	14.91	14.79	15.33	14.79	14.46	16.33	15.58	14.96	15.75
MEAN	14.65	15.01	15.12	14.94	14.84	15.24	15.03	14.65	15.18	15.44	15.43	15.45
MAX	15.12	15.75	15.65	15.43	15.00	15.75	15.39	14.99	16.33	16.70	16.18	15.80
MIN	14.47	14.49	14.87	14.77	14.73	14.77	14.74	14.46	14.37	14.94	14.92	14.85

WTR YR 1989 MEAN 15.08 MAX 16.70 JUL 3 MIN 14.37 JUN 3

WELL NUMBER.--264353081281101. Local Number HE 620.

LOCATION.--Lat 26°43'53", long 81°28'11", in NW¼NW¼ sec.19, T.43 S., R.29 E., Hydrologic Unit 03090205, 3.5 mi southwest of La Belle and 0.5 mi south of State Road 80, in the Bob Paul Grove. Owner: U.S. Geological Survey.

AQUIFER.--Hawthorne aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 350 ft, cased to 171 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1976 to current year. Records prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.38 ft NGVD, June 24, 1982; lowest measured, 10.45 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0920	11.27	26...	1300	12.08
27...	1310	10.88	MAY		
NOV			30...	1010	12.33
30...	0815	12.27	JUN		
DEC			29...	1045	12.23
29...	1030	10.83	JUL		
JAN			26...	1030	14.50
25...	1015	12.20	AUG		
FEB			28...	1000	15.39
23...	1020	11.63			
MAR					
30...	1010	12.03			

HENDRY COUNTY

WELL NUMBER.--264535081130701. Local Number HE 857.

LOCATION.--Lat 26°45'85", long 81°13'07", in SW¼NE¼ sec.10, T.43 S., R.31 E., Hydrologic Unit 03090205, on the west side of Hendry Club Boulevard, 0.5 mi south of State Road 80 and 14 mi east of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 17 ft, cased to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.61 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1977 to November 1978 (water-level recorder), November 1978 to October 1979 (monthly measurements), October 1985 to current year. Records prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.46 ft NGVD, Dec. 28,1978; lowest measured 14.89 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	0840	16.21	29...	0845	15.46
24...	0815	15.61	APR		
NOV			26...	0900	15.71
29...	0815	15.65	JUN		
DEC			01...	1420	14.89
28...	0845	15.22	27...	1630	15.62
JAN			JUL		
26...	0835	15.40	24...	1415	16.39
FEB			AUG		
22...	0850	14.91	29...	1455	18.60

HENDRY COUNTY

WELL NUMBER.--264601081213102. Local Number HE 516.

LOCATION.--Lat 26°46'01", long 81°21'31", in SE¼SE¼ sec.6, T.43 S., R.30 E., Hydrologic Unit 03090205, at NE corner of pumphouse, .1 mi south of State Rd 80 on Cedarwood Parkway, 5.1 mi east of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 273 ft, cased to 270 ft, 3 ft screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.00 ft above land-surface datum. Prior to Oct. 1, 1986 land-surface datum was considered to be 17.00 NGVD. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality, well affected by nearby pumping.

PERIOD OF RECORD.--January 1977 to October 1979, June 1986 to current year. The figures of water level as elevation, in feet NGVD prior to Oct. 1, 1986 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.54 ft NGVD, Sept. 26, 1978; lowest measured, 7.13 ft NGVD, Oct. 27, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1015	9.63	26...	1200	10.25
27...	1235	7.13	MAY		
NOV			30...	1030	8.74
29...	1030	9.75	JUN		
DEC			29...	1100	9.42
29...	1115	10.08	JUL		
JAN			26...	1125	11.49
25...	1045	9.44	AUG		
FEB			28...	1015	11.56
23...	1030	9.16			
MAR					
30...	1035	8.99			

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
HENDRY COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261735080534001	HE - 861	26 17 35 N	080 53 40 W	10-24-88	830	66
				04-26-89	835	64
261735080534002	HE - 862			10-24-88	528	24
				04-26-89	490	24
261746081061803	HE -1062	26 17 46 N	081 06 18 W	10-24-88	647	34
				04-26-89	600	22
261746081061804	HE -1063			10-24-88	1370	180
				04-26-89	1380	200
261801081042501	HE - 884	26 18 01 N	081 04 25 W	10-24-88	863	36
				04-26-89	850	38
261859080585401	HE - 3	26 18 59 N	080 58 54 W	10-24-88	507	18
				04-26-89	340	24
262118081002901	HE - 868	26 21 18 N	081 00 29 W	10-24-88	1030	140
				04-26-89	990	98
262214081113001	HE -1042	26 22 14 N	081 11 30 W	10-27-88	717	22
				04-24-89	720	26
262214081113002	HE -1043			10-27-88	790	44
				04-24-89	980	86
262214081113003	HE -1044			10-27-88	3820	580
				04-24-89	3730	560
262735081044601	HE - 860	26 27 35 N	081 04 46 W	10-24-88	585	20
				04-26-89	570	12
262735081044602	HE - 859			10-24-88	748	58
				04-26-89	750	54
263035081073501	HE - 855	26 30 35 N	081 07 35 W	10-24-88	832	92
				04-26-89	770	80
263035081073502	HE - 856			10-24-88	313	6.0
				04-26-89	350	12
263207080553101	HE -1075	26 32 07 N	080 55 31 W	10-24-88	3370	700
				04-26-89	3350	700
263213081040801	HE -1036	26 32 13 N	081 04 08 W	10-24-88	476	32
				04-26-89	470	36
263213081040802	HE -1037			10-24-88	968	90
				04-26-89	970	92
263310081250901	HE - 529	26 33 10 N	081 25 09 W	10-25-88	669	38
				04-24-89	680	38
263310081250902	HE - 554			10-25-88	375	18
				04-24-89	400	26
263514081170701	HE -1027	26 35 14 N	081 17 07 W	10-25-88	1370	120
				04-24-89	1300	100
263514081170702	HE -1028			10-25-88	800	46
				04-24-89	810	48
263514081170703	HE -1029			10-25-88	779	40
				04-24-89	830	22
263515081012001	HE - 854	26 35 15 N	081 01 20 W	10-24-88	317	8.0
				04-26-89	480	20
263548081200601	HE - 852	26 35 48 N	081 20 06 W	10-25-88	526	12
				04-24-89	540	18
263618081143001	HE - 853	26 36 18 N	081 14 30 W	10-25-88	822	62
				04-24-89	840	66

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
HENDRY COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263700080550001	HE - 339	26 37 00 N	080 55 00 W	10-24-88	494	20
				04-26-89	390	30
263700081070001	HE - 5	26 37 50 N	081 07 40 W	10-24-88	597	18
				04-26-89	430	32
263839081203901	HE -1077	26 38 39 N	081 20 39 W	10-24-88	993	72
				04-24-89	980	84
263840081203901	HE -1076	26 38 40 N	081 20 39 W	10-24-88	4040	860
				04-24-89	3600	840
263845081260701	HE - 555	26 38 45 N	081 26 07 W	10-24-88	1420	240
				04-24-89	1400	220
263845081260702	HE - 556			10-24-88	1040	130
				04-24-89	1160	140
263845081260703	HE - 851			10-24-88	1110	140
				04-24-89	990	80
263930081301501	HE - 559	26 39 30 N	081 30 15 W	10-27-88	3640	880
263930081301501	HE - 559	26 39 30 N	081 30 15 W	04-26-89	3780	940
263930081301502	HE - 560			10-27-88	2610	580
				04-26-89	2580	540
263930081301503	HE - 569			10-27-88	616	56
				04-26-89	1470	260
264046081022801	HE -1068	26 40 46 N	081 02 28 W	10-24-88	1080	120
				04-26-89	1050	120
264046081022802	HE -1069			10-24-88	1020	110
				04-26-89	850	68
264137081040701	HE - 629	26 41 37 N	081 04 07 W	10-24-88	1080	150
				04-26-89	1080	150
264235081074401	HE - 858	26 42 35 N	081 07 44 W	10-24-88	365	34
				04-26-89	610	80
264235081310601	HE - 557	26 42 35 N	081 31 06 W	10-27-88	4510	1200
				04-26-89	4160	1100
264235081310602	HE - 558			10-27-88	4590	1200
				04-26-89	5040	1400
264353081281101	HE - 620	26 43 53 N	081 28 11 W	10-27-88	1640	320
				04-26-89	1710	310
264535081130701	HE - 857	26 45 35 N	081 13 07 W	10-24-88	508	34
				04-26-89	560	50
264601081213102	HE - 516	26 46 01 N	081 21 31 W	10-27-88	802	66
				04-26-89	760	54
264623081213601	HE - 517	26 46 23 N	081 21 36 W	10-27-88	486	18
				04-26-89	610	18

KEY TO SITE LOCATIONS ON FIGURE 10
LEE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	261859081481901	L 5726	228
1	261859081481902	L 5727	229
61	261900081454601	L 5744	230
61	261900081454602	L 5745	231
1A	261946081490301	L 5724	232
1A	261946081490302	L 5725	233
1B	261954081410101	L 1996	234
1B	261954081410102	L 1997	234
2	261954081432201	L 2198	235
2	261957081432201	L 2194	235
2	261957081432202	L 2195	236
3	262022081464201	L 738	236
3	262022081464202	L 2310	237
3	262042081455001	L 1691	237
3A	262102081464401	L 5722	238
3A	262102081464402	L 5723	239
62	262258081471801	L 5746	240
62	262258081471802	L 5747	241
63	262351081485401	L 5730	242
63	262351081485402	L 5731	243
4	262435081533001	L 1635	244
4	262435081535101	L 1634	244
4A	262511081471801	L 5669	245
4A	262513081471802	L 5668	245
4B	262514081393401	L 5665	246
4B	262514081393402	L 5664	246
5	262538082045701	L 588	247
5	262547082051201	L 590	247
5	262549082035301	L 1403	248
6	262552081485701	L 741	248
6	262552081485702	L 2295	249
6	262553081485703	L 2308	249
7	262622082022001	L 1456	250
7	262622082022002	L 1457	250
7A	262622072074401	L 2524	251
8	262657081443501	L 739	251
9	262659081382501	L 2192	252
10	262703081340201	L 731	252
10	262703081340202	L 1138	253
10	262703081340203	L 2313	253
11	262706081435401	L 1853	254
11A	262710082005301	L 585	254
12	262713081414601	L 1984	255
12	262713081414701	L 1985	255
12A	262831081575901	L 2212	256
13	262839081503100	L 735	256
13B	262944081560801	L 2529	257
13A	262934081495801	L 5649	257
13A	262934081495802	L 5721	258
14	263041081433101	L 1983	258
14	263041081433102	L 1998	259
14	263041081433102	L 1999	259
15	263117082051001	L 2525	260
15	263117082051002	L 2821	261
15	263117082051003	L 3215	262
16	263127081351602	L 2215	263
16	263138081545801	L 730	264
17	263233081550301	L 1598	264
17A	263246081531501	L 1124	265
17B	263249081474401	L 5648	265
17B	263249081474402	L 5720	266
18	263251081452801	L 1993	266
18	263251081452802	L 1994	267
18	263251081452803	L 1995	267
19	263253082014201	L 2643	268
19	263253082014202	L 3206	269
20	263257081585701	L 2642	270
20	263257081585702	L 3205	271
22	263323081522401	L 742	272
22A	263327081512001	L 1121	273
23	263329081394301	L 2204	274
23	263329081394302	L 1625	275
23	263335081394301	L 729	276
24	263344081361701	L 1963	277
24	263344081361702	L 1964	278
24	263344081361703	L 2186	278
24	263344081361704	L 2311	279
25	263353081335801	L 1965	280
25	263353081335802	L 1992	281
26	263357081575602	L 2703	281
26	263357081575603	L 3213	282
21	263307081555901	L 2435	283
27	263440082022001	L 2644	284
27	263440082022002	L 3207	284
28	263532081592201	L 581	285
28	263532081592202	L 1136	286
29	263533081573401	L 2641	287
29	263533081573402	L 3204	287
30	263621081563701	L 2702	288
30	263621081563702	L 3212	288
31	263630081375301	L 1418	289
32	263633082002701	L 1116	290
33	263712081461201	L 728	291
34	263718081485001	L 1973	291
34	263718081485002	L 1974	292
34	263718081485003	L 2292	292
35	263743082041201	L 2645	293
35	263743082041202	L 3208	293
36	263802081493501	L 246	294
37	263807081430301	L 1968	294
38	263813081552801	L 2640	295
38	263813081552802	L 3203	296
39	263814082020701	L 1058	297
40	263819081585801	L 2701	297
40	263819081585802	L 3211	298
41	263834082005301	L 781	298
42	263852081514802	L 5707	299
43	263903081550401	L 954	299
44	263907081592701	L 2528	300
45	263850081365401	L 727	300
45	263950081355401	L 2187	301
45	263950081355402	L 1137	301
46	263955082083101	L 2527	302
46	263955082083102	L 2820	303
46	263955082083103	L 2549	304
46	263955082083104	L 3214	305
47	264002082012801	L 2700	306
47	264002082012802	L 3210	307
48	264053081572501	L 4820	308
49	264101081443001	L 652	309
50	264144081520301	L 2190	310
50	264144081520302	L 2191	310
50A	264147081562701	L 1111	311
51	264153082022301	L 721	311
52	264308081410001	L 1907	312
52	264308081405402	L 2530	313
53	264320081365701	L 1977	314
53	264320081365702	L 1978	315
54	264329081340401	L 2200	316
54	264329081340402	L 2202	316
55	264359081424701	L 1975	317
55	264359081424702	L 1976	318
56	264425081454001	L 726	319
56A	264427081362601	L 2531	320
57	264517081513201	L 2341	321
58	264517082022101	L 1059	322
58	264517082022102	L 2526	323
59	264537081552202	L 2646	324
59	264537081552203	L 3209	325
60	264608081454101	L 2216	326
60	264608081454102	L 2217	326
60	264608081454103	L 2328	327

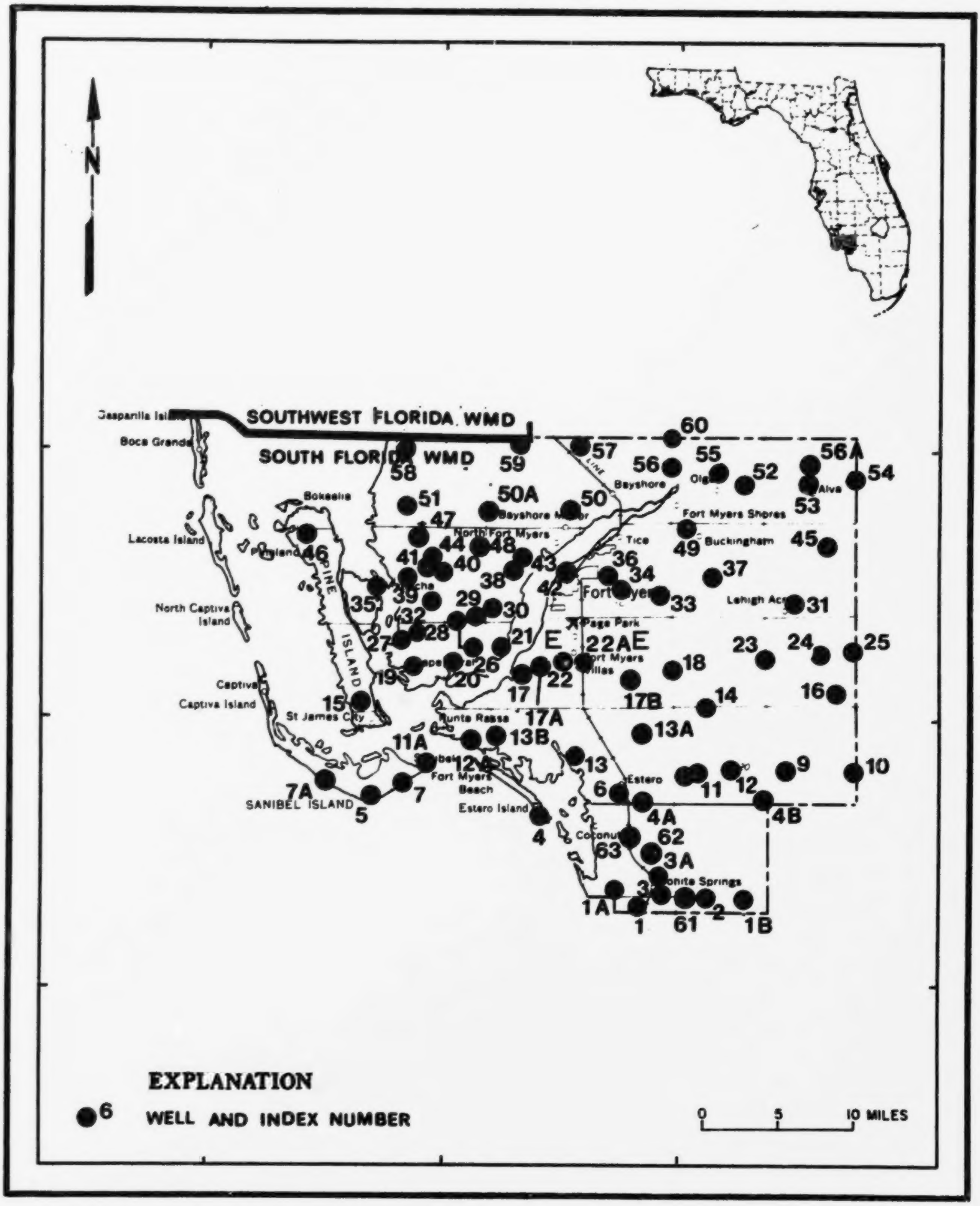
N
SOUTHWEST FLORIDA WMD
SOUTH FLORIDA WMD
Gasparilla Island
Boca Grande
Bokeelia
Lacosta Island
Pineland
PINE ISLAND
North Captiva Island
Captiva
Captiva Island
St James City
SANIBEL ISLAND
Sanibel
Punta Rassa
Fort Myers Beach
Estero Island
North Fort Myers
Bayshore Manor
Bayshore
Olga
Alva
Fort Myers Shores
Tice
Buckingham
Fort Myers
Lehigh Acres
Page Park
Fort Myers Villas
Estero
Coconut
Bonita Springs
EXPLANATION
● 6 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 9. Location of wells in Lee County.

WELL NUMBER.--261859081481901. Local Number L 5726.

LOCATION.--Lat 26°18'59", long 81°47'20", in SE¼SE¼ sec.3, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on west side of U.S. Highway 41, 1.5 mi southwest of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 32 ft, cased to 22 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.95 ft NGVD, Aug. 25, 1986; lowest measured, 4.32 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1220	9.00	13...	1115	6.60
27...	0830	8.19	19...	0950	6.57
NOV			27...	0910	6.47
15...	1700	7.92	MAY		
30...	1325	7.77	02...	1425	6.34
DEC			15...	1115	6.06
12...	0925	7.60	JUN		
29...	1250	7.28	02...	1230	5.85
JAN			12...	1125	4.32
03...	1240	7.11	27...	1720	6.90
25...	1315	7.52	JUL		
FEB			10...	1140	7.13
13...	1205	6.92	25...	0945	7.14
23...	1440	6.74	AUG		
MAR			14...	0945	6.88
13...	1240	7.31	29...	1325	7.47
30...	1305	7.02			

LEE COUNTY

WELL NUMBER.--261859081481902. Local Number L 5727.

LOCATION.--Lat 26°18'59", long 81°47'20", in SE¼SE¼ sec.3, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on west side of U.S. Highway 41, 1.5 mi southwest of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 100 ft, cased to 65 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.21 ft NGVD, Aug. 25, 1986; lowest measured, 3.81 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1220	2.52	13...	1115	-3.81
26...	0830	-2.42	19...	1115	-0.24
NOV			27...	0920	-3.39
15...	1650	-1.64	MAY		
30...	1325	-1.69	02...	1425	1.14
DEC			15...	1110	-0.72
12...	0920	-1.89	JUN		
29...	1250	-2.93	02...	1235	1.26
JAN			12...	1125	1.24
09...	1240	-2.75	27...	1715	4.19
25...	1315	-1.66	JUL		
FEB			10...	1140	5.01
13...	1200	-3.02	25...	0950	3.94
23...	1440	-2.38	AUG		
MAR			14...	0945	1.68
13...	1240	-0.86	29...	1325	3.68
30...	1305	-2.24			

LEE COUNTY

WELL NUMBER.--261900081454601. Local Number L 5744.

LOCATION.--Lat 26°19'00", long 81°45'46", in SE¼SW¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25' west of Imperial Street, 10 ft north of Lee/Collier County Line, 1 mi south of Bonita Beach Road. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of .02 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft NGVD, Aug. 29, 1988; lowest measured, 5.74 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	1230	10.00
26...	0715	8.87
NOV		
28...	1105	8.06
DEC		
29...	1335	7.47
JAN		
25...	1355	7.38
FEB		
13...	1240	7.04
23...	1525	6.89
MAR		
13...	1250	7.44
30...	1340	7.00
APR		
13...	1215	6.68
27...	0830	6.46
MAY		
15...	1140	6.11
JUN		
01...	1050	5.86
12...	1250	5.74
30...	0810	7.96
JUL		
10...	1300	8.52
26...	1545	8.46
AUG		
29...	1340	8.93

LEE COUNTY

WELL NUMBER.--261900081454602. Local Number L 5745.

LOCATION.--Lat 26°19'00", long 81°45'46", in SE¼SW¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25' west of Imperial Street, 10 ft north of Lee/Collier County Line, 1 mi south of Bonita Beach Road. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 105 ft, cased to 57 ft, 48 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.61 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.33 ft NGVD, Aug. 14, 1989; lowest measured, 5.31 ft below NGVD, Dec. 29, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1230	4.07	13...	1215	-4.43
26...	0710	-3.02	27...	0835	-2.85
NOV			MAY		
15...	1615	-4.31	15...	1140	-0.08
28...	1110	-3.99	JUN		
DEC			01...	1050	0.62
12...	0830	-3.14	12...	1250	1.79
29...	1335	-5.31	30...	0810	4.78
JAN			JUL		
09...	1315	-5.03	10...	1300	6.63
25...	1355	-3.64	26...	1450	5.08
FEB			AUG		
13...	1240	-5.29	14...	1300	8.33
23...	1520	-3.54	29...	1340	4.60
MAR					
13...	1350	-2.27			
30...	1340	-2.78			

LEE COUNTY

WELL NUMBER.--261946081490301. Local Number L 5724.

LOCATION.--Lat 26°19'46", long 81°49'03", in NW¼NW¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Intersection of Bonita Beach Road on the east side of Sunset, 3 mi west of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 35 ft, cased to 25 ft. Screened with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.68 ft NGVD, Aug. 25, 1986; lowest measured, 5.63 ft NGVD, May 15, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1225	8.28	13...	1130	5.96
27...	0850	7.52	27...	0930	5.89
NOV			MAY		
30...	1330	6.90	15...	1130	5.63
DEC			JUN		
29...	1310	6.51	03...	1245	5.99
JAN			12...	1140	6.06
09...	1300	6.35	27...	1730	7.45
25...	1335	7.03	JUL		
FEB			10...	1200	7.08
13...	1225	6.33	25...	0930	6.94
23...	1500	6.16	AUG		
MAR			14...	0955	6.55
13...	1300	6.74	29...	1330	7.36
30...	1325	7.22			

LEE COUNTY

WELL NUMBER.--261946081490302. Local Number L 5725.

LOCATION.--Lat 26°19'46", long 81°49'03", in NW¼NW¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of intersection of Bonita Beach Road and Sunset on east side, 3 mi west of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 128 ft, cased to 65 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.55 ft NGVD, Aug. 25, 1986; lowest measured, 3.29 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1225	2.05	13...	1130	-3.29
27...	0910	-2.23	MAY		
NOV			15...	1130	-1.11
15...	1630	-1.36	JUN		
30...	1330	-1.29	02...	1245	0.96
DEC			12...	1140	0.74
12...	0900	-1.68	27...	1735	3.70
29...	1310	-2.67	JUL		
JAN			10...	1200	4.28
09...	1255	-2.40	25...	0935	3.50
25...	1335	-0.9	AUG		
FEB			14...	0955	4.31
13...	1220	-2.41	29...	1330	3.18
23...	1500	-2.20			
MAR					
30...	1325	-1.99			

LEE COUNTY

WELL NUMBER.--261954081410101. Local Number L 1996.

LOCATION.--Lat 26°19'54", long 81°41'01", in SE¼SW¼ sec.35, T.47 S., R.26 E., Hydrologic Unit 03090204, 5.8 mi east of intersection of U.S. Highway 41 and East Bonita Beach Road and 5.8 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 198 ft, cased to 65 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 15.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 25 - July 25, Sept. 7-30, 1989 water year.

PERIOD OF RECORD.--February 1975 to July 1977, December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.58 ft NGVD, Sept. 8, 1983, lowest, 0.39 ft NGVD, Jan. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.00	5.41	1.45	.72	1.53	3.33	2.89	4.31	5.10	8.50	9.13	10.31
10	6.91	2.87	.89	1.05	1.11	4.72	2.51	4.24	5.20	9.30	8.72	10.90
15	5.54	2.10	1.17	.76	1.03	3.46	2.99	4.22	5.08	9.10	8.66	9.90
20	4.29	1.85	1.49	.65	1.37	3.04	4.34	4.57	5.95	8.85	9.02	9.30
25	4.04	3.41	1.35	2.42	1.62	2.93	4.04	4.84	6.82	9.20	9.29	9.30
EOM	2.84	2.46	.63	1.83	2.15	3.16	4.11	4.96	7.49	9.36	9.69	9.00
MEAN	5.65	3.02	1.32	1.27	1.44	3.30	3.36	4.51	5.73	8.96	9.06	9.77
MAX	9.00	5.41	2.48	4.10	2.31	4.83	4.49	4.98	7.49	9.37	9.69	10.90
MIN	2.69	1.59	.63	.39	.47	2.35	2.33	4.18	4.95	7.73	8.52	8.40

WTR YR 1989 MEAN 4.80 MAX 10.90 SEP 10 MIN .39 JAN 1

WELL NUMBER.--261954081410102. Local Number L 1997.

LOCATION.--Lat 26°19'54", long 81°41'01", in SE¼SW¼ sec.35, T.47 S., R.26 E., Hydrologic Unit 03090204, 5.8 mi east of intersection of U.S. Highway 41 and East Bonita Beach Road and 5.8 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 16.5 ft, cased to 10 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.63 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1975 to July 1977, December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.83 ft NGVD, Sept. 2, 1981; lowest, 4.51 ft NGVD, Dec. 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.21	12.83	12.05	10.82	10.51	10.17	9.33	9.00	8.69	12.54	12.19	14.18
10	13.83	12.53	11.96	10.57	10.36	10.50	9.13	8.87	8.97	12.62	12.05	14.50
15	13.51	12.29	11.99	10.51	10.07	10.07	9.04	8.77	8.79	12.25	12.95	14.09
20	13.25	12.19	11.87	10.43	10.07	10.01	9.45	8.83	9.60	12.66	13.61	13.80
25	13.00	12.30	10.35	10.91	9.94	9.70	9.11	8.89	10.53	12.56	13.66	13.93
EOM	12.75	12.21	10.54	10.68	9.76	9.62	9.14	8.92	10.96	12.37	13.87	13.75
MEAN	13.49	12.43	11.50	10.65	10.21	9.99	9.22	8.90	9.42	12.44	13.03	14.07
MAX	14.29	12.84	12.19	10.94	10.65	10.52	9.55	9.23	10.96	13.06	14.03	14.54
MIN	12.75	12.19	10.13	10.43	9.76	9.52	9.03	8.77	8.69	11.20	11.98	13.71

WTR YR 1989 MEAN 11.29 MAX 14.54 SEP 7 MIN 8.69 JUN 5 AND OTHERS

LEE COUNTY

WELL NUMBER.--261954081432201. Local Number L 2198.

LOCATION.--Lat 26°19'54", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 137 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.80 ft NGVD, Aug. 31, 1983; lowest measured, 0.28 ft below NGVD, Dec. 27, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0745	8.02	31...	0800	2.34
26...	0900	1.79	APR		
NOV			25...	0900	3.27
29...	0800	1.30	JUN		
DEC			01...	0815	4.47
27...	0800	-0.28	27...	0730	6.02
JAN			JUL		
24...	0800	1.72	25...	0945	8.82
FEB			AUG		
22...	0815	1.27	29...	0800	9.34

WELL NUMBER.--261957081432201. Local Number L 2194.

LOCATION.--Lat 26°19'57", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 137 ft, cased to 81 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.67 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 9-24, Mar. 13-14, Apr. 24-25, June 24-25, 1989 water year.

PERIOD OF RECORD.--August 1975 to September 1978 (monthly), October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.42 ft NGVD, Sept. 3, 1983; lowest, 0.91 ft below NGVD, Jan. 19, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.59	4.92	.01	-0.49	.49	2.78	2.20	4.05	4.90	8.21	8.77	9.99
10	6.00	1.46	-0.75	-0.45	.01	4.13	1.52	4.07	5.00	8.92	8.40	10.59
15	4.80	.66	-0.23	-0.62	.11	2.72	2.39	4.00	4.83	8.79	8.26	9.88
20	2.70	.55	-0.36	-0.68	.50	2.31	3.75	4.33	5.73	8.57	8.73	9.24
25	2.55	2.45	-0.31	1.21	.78	2.15	3.36	4.48	6.50	8.92	8.99	9.27
EOM	1.38	1.07	-0.74	.73	1.39	2.46	3.90	4.71	7.10	9.08	9.40	8.86
MEAN	4.55	1.79	-0.14	.05	.51	2.66	2.73	4.25	5.47	8.64	8.73	9.64
MAX	8.59	4.92	1.00	3.43	1.56	4.25	3.90	4.71	7.10	9.14	9.44	10.59
MIN	.97	.21	-0.87	-0.91	-0.44	1.67	1.52	3.98	4.66	7.17	8.12	8.38

WTR YR 1989 MEAN 4.09 MAX 10.59 SEP 9 AND OTHERS MIN -0.91 JAN 19

LEE COUNTY

WELL NUMBER.--261957081432202. Local Number L 2195.

LOCATION.--Lat 26°19'57", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.65 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD..--August 1975 to February 1978 (monthly), March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.48 ft NGVD, July 1, 2, 1983; lowest 6.76 ft NGVD, June 16, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.44	10.76	9.26	8.68	8.26	8.43	7.84	7.35	7.00	9.74	10.05	13.20
10	11.52	9.69	9.36	8.56	8.24	8.55	7.56	7.18	6.97	10.22	10.09	13.11
15	10.95	9.64	9.35	8.77	8.03	8.18	7.85	7.16	6.77	10.00	10.37	12.62
20	10.42	9.49	9.42	8.44	8.22	7.91	7.79	7.38	7.49	9.92	10.76	11.64
25	10.21	9.96	9.12	8.77	7.91	7.80	7.47	7.04	8.56	9.92	11.44	12.12
EOM	10.07	9.46	9.19	8.61	8.26	8.06	7.56	7.23	8.79	10.13	12.14	11.41
MEAN	11.00	9.92	9.33	8.81	8.14	8.26	7.60	7.19	7.49	9.88	10.69	12.38
MAX	12.64	10.76	9.99	9.78	8.56	8.89	8.02	7.59	8.79	10.23	12.20	13.21
MIN	9.99	9.29	8.78	8.44	7.79	7.60	7.20	6.88	6.76	8.84	9.89	11.41

WTR YR 1989 MEAN 9.23 MAX 13.21 SEP 6 MIN 6.76 JUN 16

WELL NUMBER.--262022081464201. Local Number L 738.

LOCATION.--Lat 26°20'22", long 81°46'42", in SW¼NE¼ sec.35, T.47 S., R.25 E., Hydrologic Unit 03090204, at intersection of Felts and Childers Streets in Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 61 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.15 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1968 to June 1973 (daily), July 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 5, 1969; lowest measured, 5.51 ft below NGVD, Jan. 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1145	1.58	30...	1355	-3.02
26...	0758	-3.56	APR		
NOV			27...	1005	-4.43
16...	0830	-4.24	MAY		
28...	1040	-4.57	15...	1210	-2.45
DEC			JUN		
12...	1255	-3.03	01...	1010	-1.03
29...	1105	-5.11	12...	1250	0.56
JAN			30...	0815	3.65
09...	1415	-4.46	JUL		
12...	1350	-5.51	10...	1000	4.68
25...	1410	-2.22	26...	1450	3.69
FEB			AUG		
13...	1300	-4.76	14...	1230	1.71
23...	1610	-3.81	29...	1405	3.66

LEE COUNTY

WELL NUMBER.--262022081464202. Local Number L 2310.

LOCATION.--Lat 26°20'22", long 81°46'42", in SW¼NE¼ sec.35, T.47 S., R.25 E., Hydrologic Unit 03090205, at intersection of Felts Street and Childers Street at Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 550 ft, cased to 396 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 8.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.8 ft NGVD, Oct. 29, 1987; lowest measured, 33.2 ft NGVD, Apr. 30 and May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1140	38.00	30...	1400	34.80
26...	0755	36.90	APR		
NOV			27...	1000	34.30
28...	1040	36.80	JUN		
DEC			01...	1010	33.90
29...	1110	34.60	29...	0825	33.90
JAN			JUL		
25...	1415	34.50	26...	1455	34.00
FEB			AUG		
23...	1610	34.60	29...	1350	34.20

WELL NUMBER.--262042081455001. Local Number L 1691.

LOCATION.--Lat 26°20'42", long 81°45'50", in NE¼NW¼ sec.36, T.47 S., R.25 E., Hydrologic Unit 03090204, at Bonita Springs Water Plant at East Terry Street and 1.4 mi east of Bonita Springs Post Office. Owner: Bonita Springs Water Co.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 69 ft, cased to 58 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 12.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.97 ft above land-surface datum.

REMARKS.--Water levels affected by municipal pumping. Well also sampled for water quality. Water levels estimated Jan. 27 - Feb. 13, for the 1989 water year.

PERIOD OF RECORD.--June 1973 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.92 ft NGVD, Aug. 16-17, 1974; lowest, 6.58 ft below NGVD, Jan. 7, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.52	1.42	-2.92	-5.95	-4.30	-2.43	-2.88	-1.22	2.41	5.83	4.78	5.16
10	2.52	-2.49	-5.77	-3.76	-4.80	.40	-4.68	-0.56	2.23	6.49	4.35	5.14
15	1.02	-4.50	-3.65	-5.49	-5.24	-3.12	-4.06	-0.87	.91	6.08	3.95	4.17
20	-0.14	-5.57	-5.55	-5.90	-6.03	-4.27	-1.46	.97	3.43	5.16	4.50	3.89
25	-1.98	-1.60	-3.62	-1.64	-5.22	-4.35	-2.34	-0.23	4.18	6.24	4.65	3.63
EOM	-3.26	-3.78	-6.12	-4.15	-5.19	-2.69	.27	.45	4.87	5.75	4.43	5.03
MEAN	1.00	-2.56	-4.50	-4.57	-5.07	-2.69	-2.88	.00	2.29	5.62	4.59	4.62
MAX	6.00	1.42	-2.31	-1.40	-4.27	.40	.27	1.90	4.87	7.00	6.96	6.70
MIN	-3.26	-5.57	-6.13	-6.58	-6.39	-5.22	-4.68	-1.98	.33	4.13	3.60	3.12

WTR YR 1989 MEAN -0.32 MAX 7.00 JUL 27 MIN -6.58 JAN 7

LEE COUNTY

WELL NUMBER.--262102081464401. Local Number L 5722.

LOCATION.--Lat 26°21'02", long 81°46'44", in NW¼SE¼ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at the northeast corner of Rosemary and Business, U.S. Highway 41, 1.5 mi north of Bonita Springs Post Office.
Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 21 ft, cased to 11 ft. Screened 11 to 21 ft with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.40 ft NGVD, Aug. 28, 1986; lowest measured, 4.98 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1115	7.91	13...	1200	5.59
26...	0855	6.90	27...	1100	5.45
DEC			MAY		
29...	1015	5.88	15...	1200	5.14
JAN			JUN		
25...	1505	6.14	12...	1215	4.98
FEB			30...	0845	6.89
23...	1625	5.46	JUL		
MAR			10...	1230	7.34
13...	1330	6.19	26...	1520	6.96
31...	0940	5.94	AUG		
			14...	1000	6.47
			29...	1420	6.61

LEE COUNTY

WELL NUMBER.--262102081464402. Local Number L 5723.

LOCATION.--Lat 26°21'02", long 81°46'44", in NW¼SE¼ sec. 26, T.47 S., R.25 E., Hydrologic Unit 03090204, at northeast corner of Rosemary and Business, U.S. Highway 41, 1.5 mi north of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 140 ft, cased to 55 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.40 ft NGVD, Aug. 14, 1989; lowest measured, 5.33 ft below NGVD, Dec. 15, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1115	1.74	15...	1200	-3.05
26...	0855	-3.66	JUN		
NOV			01...	1005	-0.92
28...	1010	-4.84	12...	1215	0.27
DEC			30...	0845	5.27
29...	1015	-5.06	JUL		
FEB			10...	1230	4.70
23...	1625	-4.19	26...	1525	3.88
MAR			AUG		
31...	0940	-2.19	14...	1000	8.40
APR			29...	1420	3.70
13...	1200	-4.64			
27...	1115	-4.41			

WELL NUMBER.--262258081471801. Local Number L 5746.

LOCATION.--Lat 26°22'58", long 81°47'18", in NE¼SE¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25' west of Stillwell and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of .020 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.66 ft NGVD, Oct. 29, 1987; lowest measured, 8.51 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1105	11.31	31...	0925	9.57
26...	0925	10.34	APR		
NOV			27...	1125	9.42
28...	0945	10.01	JUN		
DEC			01...	0950	8.51
29...	1000	9.56	30...	0855	10.94
JAN			JUL		
25...	1515	10.09	26...	1545	10.64
FEB			AUG		
23...	1640	9.33	29...	1430	10.32

LEE COUNTY

WELL NUMBER.--262258081471802. Local Number L 5747.

LOCATION.--Lat 26°22'58", long 81°47'18", in NE¼SE¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25' west of Stillwell and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 105 ft, cased to 59 ft, 46 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.77 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.47 ft NGVD, July 10, 1989; lowest measured, 4.83 ft below NGVD, Feb. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1105	1.63	13...	1330	-4.32
26...	0925	-2.96	27...	1130	-3.75
NOV			MAY		
16...	1220	-3.04	15...	1225	-3.34
28...	0945	-4.00	JUN		
DEC			01...	0950	-0.78
12...	1315	-3.16	12...	1315	0.04
29...	1000	-4.63	30...	0850	1.74
JAN			JUL		
09...	1445	-4.31	10...	0950	4.47
25...	1515	-1.59	26...	1545	3.71
FEB			AUG		
13...	1315	-4.83	14...	1245	1.81
23...	1640	-4.13	29...	1430	3.42
MAR					
13...	1455	-2.03			
31...	0925	-2.60			

LEE COUNTY

WELL NUMBER.--262351081485401. Local Number L 5730.

LOCATION.--Lat 26°23'51", long 81°48'54", in NE¼SW¼ sec.9, T.47 S., R.25 E., Hydrologic Unit 03090204, 100' south of Coconut Road, .3 mi west of US 41, 5 mi north of Bonita Springs. Owner: Bonita Bay.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 122 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 40 ft, cased to 27 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.67 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year. Records of water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.77 ft NGVD, Oct. 29, 1987; lowest measured, 9.77 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1055	14.03	31...	0910	11.22
26...	0955	12.71	APR		
NOV			27...	1145	10.60
28...	1000	12.55	JUN		
DEC			01...	0935	9.77
29...	0940	11.86	30...	0910	11.33
JAN			JUL		
25...	1530	11.75	24...	1630	11.84
FEB			AUG		
23...	1705	10.99	29...	0915	11.83

LEE COUNTY

WELL NUMBER.--262351081485402. Local Number L 5731.

LOCATION.--Lat 26°23'51", long 81°48'54", in NE¼SW¼ sec.9, T.47 S., R.25 E., Hydrologic Unit 03090204, 100' south of Coconut Road, .3 mi west of US 41, 5 mi north of Bonita Springs. Owner: Bonita Bay.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 120 ft, cased to 90 ft, 30 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year. Records of water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, Oct. 3, 1988; lowest measured, 3.87 ft NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1055	7.81	13...	1345	4.55
26...	0950	6.74	29...	1150	4.59
NOV			MAY		
16...	1240	6.41	15...	1240	4.43
28...	1000	6.24	JUN		
DEC			01...	0935	4.56
12...	1320	5.77	12...	1330	4.68
29...	0940	5.33	30...	0910	5.46
JAN			JUL		
09...	1455	4.99	10...	0930	5.77
25...	1530	4.92	24...	1630	5.81
FEB			AUG		
13...	1330	4.67	14...	1255	5.58
23...	1700	4.48	30...	0915	5.62
MAR					
13...	1505	5.01			
31...	0910	4.68			

LEE COUNTY

WELL NUMBER.--262435081535001. Local Number L 1635.

LOCATION.--Lat 26°24'35", long 81°53'50", in NE¼SW¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach, 120 ft north of Golf shop, and 4.5 mi southeast of Fort Myers Beach Post Office. Owner: Bay Beach Corporation.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 620 ft, cased to 360 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of valve, 1.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.7 ft NGVD, Sept. 27, 1979; lowest measured, 6.7 ft NGVD, May 30, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1430	13.90	28...	0950	11.10
24...	1400	13.10	MAY		
NOV			16...	0900	10.10
30...	1300	13.60	JUN		
JAN			02...	1415	13.30
26...	1245	12.60	28...	1300	13.50
FEB			JUL		
24...	1300	11.90	25...	0800	13.70
MAR			SEP		
29...	1400	12.20	14...	1120	16.90

WELL NUMBER.--262435081535101. Local Number L 1634.

LOCATION.--Lat 26°24'35", long 81°53'51", in NE¼SW¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach 100 ft north of Golf Shop, and 4.5 mi southeast of Fort Myers Beach Post Office. Owner: Bay Beach Corporation.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 950 ft, cased to 740 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of elbow, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.3 ft NGVD, July 27, 1988; lowest measured, 28.5 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1430	34.10	28...	0950	31.30
24...	1400	38.50	MAY		
NOV			16...	0900	30.10
30...	1300	35.70	JUN		
DEC			02...	1420	36.30
29...	1615	35.30	28...	1300	33.50
JAN			JUL		
26...	1245	28.80	25...	0800	34.90
FEB			AUG		
24...	1300	28.50	30...	1400	39.50
MAR			SEP		
29...	1600	37.40	14...	1130	38.70

LEE COUNTY

WELL NUMBER.--262511081471801. Local Number L 5669.

LOCATION.--Lat 26°25'11", long 81°47'18", in NW¼NW¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, on River Ranch Road, 1 mi west of I-75 and 1.5 mi south of Corkscrew Road, 2.5 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 23 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. threaded PVC casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.00 ft NGVD, Aug. 29, 1988; lowest measured, 10.32 ft NGVD, May 30, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1045	13.98	31...	1045	11.60
26...	1125	12.66	APR		
NOV			27...	1230	10.92
28...	0930	12.21	JUN		
DEC			01...	0855	10.41
29...	1400	11.55	30...	0930	11.95
JAN			AUG		
24...	1435	12.02	29...	0930	12.63
FEB					
22...	1430	11.13			

WELL NUMBER.--262513081471802. Local Number L 5668.

LOCATION.--Lat 26°25'11", long 81°47'18", in NW¼NW¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, on River Ranch Road, 1 mi west of I-75 and 1.5 mi south of Corkscrew Road, 2.5 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 244 ft, cased to 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. threaded PVC casing, 2.85 ft above land surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.00 ft NGVD, Nov. 24, 1987; lowest measured, 6.43 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1040	9.51	31...	1050	7.28
26...	1115	9.82	APR		
NOV			27...	1230	6.98
28...	0930	9.17	JUN		
DEC			01...	0855	6.43
29...	1400	8.44	30...	0930	7.60
JAN			JUL		
24...	1435	7.95	26...	1620	9.44
FEB			AUG		
22...	1430	7.52	29...	0930	8.96

LEE COUNTY

WELL NUMBER.--262514081393401. Local Number L 5665.

LOCATION.--Lat 26°25'14", long 81°39'34", in SE¼SE¼ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of I-75 and 2 mi south of Corkscrew Road, 8 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 37, cased to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of threaded coupling, 2.60 above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.23 ft NGVD, Aug. 31, 1983; lowest measured, 12.22 ft NGVD, Apr. 19, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1410	16.08	31...	1135	14.65
26...	1340	15.46	APR		
NOV			19...	1220	12.22
28...	1215	15.23	28...	1020	14.53
DEC			JUN		
29...	1540	14.53	01...	0800	13.51
JAN			30...	1150	16.31
10...	1125	14.36	JUL		
26...	1015	14.88	27...	1445	16.60
FEB			AUG		
24...	1140	14.05	30...	1025	16.32

WELL NUMBER.--262514081393402. Local Number L 5664.

LOCATION.--Lat 26°25'14", long 81°39'34", in SE¼SE¼ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of I-75, and 2 mi south of Corkscrew Road, 8 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 300 ft, cased to 180 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of threaded coupling, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.13 ft NGVD, June 30, 1987; lowest measured, 4.54 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1410	11.28	31...	1135	5.13
26...	1340	7.74	APR		
NOV			19...	1220	5.33
28...	1215	6.62	28...	1025	5.65
DEC			JUN		
29...	1540	5.08	01...	0800	6.23
JAN			30...	1150	8.12
10...	1125	4.58	JUL		
26...	1015	5.63	27...	1450	8.77
FEB			AUG		
24...	1140	4.54	30...	1025	11.31

LEE COUNTY

WELL NUMBER.--262538082045701. Local Number L 588.

LOCATION.--Lat 26°25'38", long 82°04'57", in NE¼NW¼ sec.35, T.46 S., R.22 E., Hydrologic Unit 03100103, 15 ft south of observation tower at Ding Darling Wildlife Refuge-Bailey Tract and 0.7 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 557 ft, cased to 403 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. elbow, 1.90 ft above land-surface datum.

REMARKS.--Water-levels affected by nearby pumping wells. Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.4 ft NGVD, Oct. 23, 1986; lowest measured, 4.6 ft NGVD, Apr. 18, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1000	21.20	27...	1035	11.00
NOV			JUN		
30...	0945	14.20	02...	1010	11.50
DEC			28...	0945	13.20
30...	0930	14.80	JUL		
JAN			25...	0925	14.40
26...	1000	13.20	AUG		
FEB			30...	1010	18.90
24...	0930	12.70			
MAR					
30...	0715	12.60			

WELL NUMBER.--262547082051201. Local Number L 590.

LOCATION.--Lat 26°25'48", long 82°05'10", in SW¼SW¼ sec.26, T.46 S., R.26 E., Hydrologic Unit 03100103, in the Ding Darling Wildlife Refuge Bailey Tract and 0.7 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 620 ft, cased to 464 ft.

INSTRUMENTATION.--Monthly measurements with pressure gage.

DATUM.--Elevation of land-surface is 3.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. elbow, 1.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping. Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.2 ft NGVD, Oct. 31, 1983; lowest measured, 7.9 ft NGVD, Apr. 18, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1020	23.10	30...	0750	12.30
24...	1045	14.80	APR		
NOV			27...	1050	13.60
30...	1000	14.10	JUN		
DEC			02...	1020	14.00
30...	1000	14.00	28...	1000	16.40
JAN			JUL		
26...	1015	12.90	25...	0935	17.80
FEB			AUG		
24...	1000	12.50	30...	1030	21.90

LEE COUNTY

WELL NUMBER.--262549082035301. Local Number L 1403.

LOCATION.--Lat 26°25'49", long 82°03'53", in NW¼SE¼ sec.25, T.46 S., R.22 E., Hydrologic Unit 03100103, 0.9 mi south of intersection of Periwinkle Way and Casa Ybel Road and 1.1 mi southeast of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 12 ft, cased to 3.0 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.37 ft NGVD, Sept. 18, 1985; lowest, 0.62 ft below NGVD, June 17, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.51	.23	.27	.26	.45	1.08	.64	-0.01	-0.48	-0.08	-0.02	.97
10	.40	.24	.31	.20	.38	1.26	.53	-0.10	-0.56	.02	-0.12	1.99
15	.28	.18	.35	.15	.31	1.20	.43	-0.19	-0.61	.03	-0.04	2.14
20	.20	.07	.35	.09	.22	1.08	.33	-0.26	-0.51	-0.08	.00	1.87
25	.09	.10	.31	.45	.17	1.00	.22	-0.34	-0.49	-0.08	.04	3.31
EOM	.00	.22	.30	.50	.15	.81	.08	-0.44	-0.40	-0.01	.83	3.06
MEAN	.28	.15	.31	.28	.32	1.02	.42	-0.20	-0.52	-0.06	.03	1.97
MAX	.54	.25	.35	.50	.49	1.26	.75	.05	-0.40	.04	.83	3.74
MIN	.00	-0.03	.22	.08	.15	.14	.08	-0.44	-0.62	-0.38	-0.12	.93

WTR YR 1989 MEAN .33 MAX 3.74 SEP 26 MIN -0.62 JUN 17

WELL NUMBER.--262552081485701. Local Number L 741.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ sec.33, T.46 S., R.25 E., Hydrologic Unit 03090204, at entrance to Koreshan State Park, 0.3 mi west of U.S. Highway 41, and 2.1 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 119 ft, cased to 102 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.89 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1968 to December 1974 (bimonthly), January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.99 ft NGVD, Oct. 30, 1969; lowest measured, 6.95 ft NGVD, May 8, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0950	9.74	31...	0900	7.88
26...	0945	9.38	APR		
NOV			27...	1310	7.58
28...	0915	9.43	JUN		
DEC			01...	0905	7.37
29...	0920	9.09	30...	1045	7.63
JAN			JUL		
25...	1545	8.82	24...	1620	8.05
FEB			AUG		
22...	1440	8.46	30...	0905	8.40

LEE COUNTY

WELL NUMBER.--262552081485702. Local Number L 2295.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ sec.33, T.46 S., R.25 E., Hydrologic Unit 03090204, at entrance to Koreshan State Park, 0.3 mi west of U.S. Highway 41, and 2.1 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 610 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 15.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1976 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.3 ft NGVD, Oct. 29, 1987; lowest measured, 31.8 ft NGVD, July 29, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0950	39.30	31...	0900	37.10
26...	1035	38.40	APR		
NOV			27...	1305	36.90
28...	0920	39.40	JUN		
DEC			01...	0905	36.60
29...	0925	37.70	JUL		
JAN			24...	1615	37.00
25...	1545	37.00	AUG		
FEB			30...	0910	37.30
22...	1445	36.90			

WELL NUMBER.--262552081485703. Local Number L 2308.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ sec.33, T.46 S., R.25 E., Hydrologic Unit 03090204, at entrance to Koreshan State Park, 0.3 mi west of U.S. Highway 41, and 2.1 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1976 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.81 ft NGVD, Sept. 28, 1984; lowest measured, 8.30 ft NGVD, May 28, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0945	13.08	31...	0800	10.62
26...	0945	12.41	APR		
NOV			27...	1315	9.90
28...	0920	12.25	JUN		
DEC			01...	0905	9.10
29...	0920	11.54	30...	1045	10.00
JAN			JUL		
25...	1545	11.65	24...	1615	10.53
FEB			AUG		
22...	1440	10.60	30...	0910	10.36

LEE COUNTY

WELL NUMBER.--262622082022001. Local Number L 1456.

LOCATION.--Lat 26°26'22", long 82°02'20", in NW¼NW¼ sec.30, T.46 S., R.23 E., Hydrologic Unit 03100103, 0.5 mi south of the intersection of Periwinkle Way and Lindgren Boulevard, and 2.7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Limestone aquifer of Pleistocene Age, Geologic Unit 112 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 33 ft, cased to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 2.90 ft above land-surface datum.

REMARKS.--Water levels affected by tidal fluctuations. Well also sampled for water quality.

PERIOD OF RECORD.--July 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft NGVD, Aug 28, 1985; lowest measured, 0.01 ft below NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0900	2.29	30...	0700	1.55
24...	0900	1.14	APR		
NOV			27...	0930	1.44
30...	0845	1.14	JUN		
DEC			02...	0930	1.95
30...	0900	0.96	28...	0850	2.73
JAN			JUL		
26...	0945	0.28	25...	0855	1.69
FEB			AUG		
24...	0840	-0.01	30...	0900	1.74

WELL NUMBER.--262622082022002. Local Number L 1457.

LOCATION.--Lat 26°26'22", long 82°02'20", in NW¼NW¼ sec.29, T.46 S., R.23 E., Hydrologic Unit 03100103, 0.5 mi south of the intersection of Periwinkle Way and Lindgren Boulevard, and 2.7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 2 in., depth 11 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land-surface datum.

REMARKS.--Water levels affected by tidal fluctuations. Well also sampled for water quality.

PERIOD OF RECORD.--July 1971 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft NGVD, July 28, 1986; lowest measured, 0.01 ft NGVD, Dec. 1, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0900	1.94	30...	0700	1.69
24...	0900	1.94	APR		
NOV			27...	0930	1.32
30...	0845	2.05	JUN		
DEC			02...	0935	1.37
30...	0900	1.63	28...	0845	1.95
JAN			AUG		
26...	0900	2.23	30...	0900	2.10
FEB					
24...	0830	1.51			

LEE COUNTY

WELL NUMBER.--262622082074401. Local Number L 2524.

LOCATION.--Lat 26°26'22", long 82°07'44", in NE¼NW¼ sec.29, T.46 S., R.21 E., Hydrologic Unit 03100103, at end of Gulf Drive, 4.0 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 512 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.2 ft NGVD, June 7, 1978; lowest measured, 0.7 ft below NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1040	20.10	30...	0800	0.26
24...	1115	12.90	APR		
NOV			27...	1115	1.00
30...	1030	11.80	JUN		
DEC			02...	1045	-0.7
30...	1000	9.20	28...	1030	2.60
JAN			JUL		
26...	1030	8.40	25...	0940	3.99
FEB			AUG		
24...	1015	1.52	30...	1100	17.00

WELL NUMBER.--262657081443501. Local Number L 739.

LOCATION.--Lat 26°26'57", long 81°44'35", in NE¼NE¼ sec.30, T.46 S., R.26 E., Hydrologic Unit 03090204, 4.5 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 5.3 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.65 ft above National Geodetic Vertical Datum of 1929. Measuring point; top casing, 3.05 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to September 1974 (bimonthly), October 1974 to September 1977 (daily), October 1977 to current year. Records of water levels prior to October 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.76 ft NGVD, Mar. 30, 1970; lowest measured, 13.03 ft NGVD, May 30, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1250	17.68	31...	1055	14.30
26...	1150	16.37	APR		
NOV			22...	1410	14.21
28...	1125	15.97	JUN		
DEC			01...	0845	15.06
29...	1415	15.12	30...	1105	14.08
JAN			JUL		
24...	1445	15.40	27...	1300	15.40
FEB			AUG		
24...	1125	14.32	30...	0945	17.61

LEE COUNTY

WELL NUMBER.--262659081382501. Local Number L 2192.

LOCATION.--Lat 26°26'59", long 81°38'25", in NW¼NW¼ sec.29, T.46 S., R.27 E., Hydrologic Unit 03090204, 10.7 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 11.6 mi east of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 184 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.79 ft NGVD, Sept. 26, 1975; lowest measured, 8.86 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1420	16.51	31...	1245	9.92
26...	1400	12.27	APR		
NOV			28...	1125	10.10
28...	1225	11.39	JUN		
DEC			01...	0810	10.09
29...	1600	10.27	30...	1205	11.81
JAN			JUL		
26...	1100	10.28	27...	1420	15.41
FEB			AUG		
24...	1145	8.86	30...	1030	16.23

WELL NUMBER.--262703081340201. Local Number L 731.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 243 ft, cased to 165 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping nearby wells. Water levels estimated Oct. 1-2, Mar. 8-12, July 1-10, July 27 - Aug. 14, 1989 water year.

PERIOD OF RECORD.--August 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.62 ft NGVD, Oct. 5, 1969; lowest, 7.34 ft below NGVD, Mar. 4, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.28	3.35	-3.90	-5.30	-5.85	8.25	-2.86	-1.00	-4.56	15.00	19.51	17.30
10	3.03	4.72	-5.27	-3.48	-3.45	11.80	-4.67	-4.72	-2.49	17.30	19.35	12.34
15	-1.25	-2.63	-2.32	-1.06	-2.85	4.36	-6.79	-4.82	1.13	14.74	19.31	9.10
20	-0.20	-4.30	-3.38	-6.22	-4.67	5.09	.84	-4.31	7.89	17.94	19.37	10.26
25	-0.79	7.45	-1.95	8.85	-1.84	-3.38	-0.22	.81	9.33	18.96	12.12	12.21
EOM	-3.73	-2.82	-1.48	-3.76	-6.12	-4.01	5.52	-3.93	14.00	19.65	5.27	4.95
MEAN	.71	.54	-2.20	-2.04	-4.17	2.94	-0.88	-1.90	2.94	16.44	16.88	11.42
MAX	6.60	7.45	3.78	9.44	-1.66	12.50	6.61	9.58	14.00	19.91	21.85	18.48
MIN	-3.74	-4.31	-5.27	-6.37	-6.12	-6.88	-7.03	-4.97	-4.56	8.21	5.27	4.95

WTR YR 1989 MEAN 3.45 MAX 21.85 AUG 3 MIN -7.03 APR 14

LEE COUNTY

WELL NUMBER.--262703081340202. Local Number L 1138.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1970 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.0 ft NGVD, Aug. 27, 1970; lowest measured, 20.98 ft NGVD, Mar. 28, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1500	21.97	19...	0900	22.12
26...	1440	22.04	28...	1200	22.05
NOV			MAY		
28...	1255	22.31	31...	1450	21.42
DEC			JUN		
29...	1635	22.39	30...	1215	22.64
JAN			JUL		
26...	1130	22.50	27...	1500	22.59
FEB			AUG		
24...	1210	22.14	30...	1115	22.17
MAR					
31...	1310	22.13			

WELL NUMBER.--262703081340203. Local Number L 2313.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 670 ft, cased to 400 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.5 ft NGVD, Nov. 24, 1987; lowest measured, 46.6 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1500	53.70	28...	1140	49.50
26...	1420	53.00	MAY		
NOV			31...	1450	48.90
28...	1300	52.70	JUN		
DEC			30...	1215	48.90
29...	1635	50.90	JUL		
JAN			27...	1500	49.70
26...	1130	50.10	AUG		
FEB			30...	1115	49.90
24...	1210	49.90			
MAR					
31...	1310	50.00			

LEE COUNTY

WELL NUMBER.--262706081435401. Local Number L 1853.

LOCATION.--Lat 26°27'06", long 81°43'54", in SW¼SE¼ sec.20, T.46 S., R.26 E., Hydrologic Unit 03090204, 5.1 mi east of intersection of Corkscrew Road and U.S. Highway 41, and 6.0 mi east of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 130 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.75 ft above land-surface datum.

REMARKS.--Well is also sampled for water quality. The casing is cracked at approximately 15 ft.

PERIOD OF RECORD.--November 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.52 ft NGVD, Sept. 28, 1983; lowest measured, 3.05 ft NGVD, May 15, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1255	11.95	31...	1100	4.16
26...	1245	8.08	APR		
NOV			27...	1430	4.87
28...	1130	6.48	JUN		
DEC			01...	0840	5.20
29...	1415	4.62	30...	1100	7.26
JAN			JUL		
24...	1450	4.63	27...	1310	8.60
FEB			AUG		
24...	1130	3.46	30...	0945	10.87

WELL NUMBER.--262710082005301. Local Number L 585.

LOCATION.--Lat 26°27'08", long 82°00'54", in SW¼NE¼ sec.21, T.46 S., R.23 E., Hydrologic Unit 03100103, 200 ft west of Lighthouse, and 7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn limestone aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 475 ft, cased to 335 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. plug, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.3 ft NGVD, July 26, 1988; lowest measured, 21.2 ft NGVD, Jan. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0930	27.20	30...	0715	29.20
24...	0930	29.00	APR		
NOV			27...	1000	28.50
30...	0915	28.60	JUN		
DEC			02...	0945	29.00
30...	0920	28.60	28...	0905	28.60
JAN			JUL		
26...	0915	27.80	25...	0850	29.00
FEB			AUG		
24...	0910	27.30	30...	0915	29.60

LEE COUNTY

WELL NUMBER.--262713081414601. Local Number L 1984.

LOCATION.--Lat 26°27'13", long 81°41'46", in SE¼SE¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03050204, 7.4 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 8.2 mi east of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 288 ft, cased to 206 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 20.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.58 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Oct. 26 - Nov. 27, Dec. 2-21, Dec. 25-28, Jan. 1-9, July 11 - Aug. 25, for 1989 water year.

PERIOD OF RECORD.--November 1974 to September 1978 (monthly), October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.59 ft NGVD, Oct. 5, 6, 1979; lowest, 14.83 ft below NGVD, Mar. 13, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.05	3.11	5.00	5.80	1.30	-0.27	2.04	2.05	.09	5.75	7.20	10.54
10	13.05	4.73	4.60	.62	1.38	1.37	1.22	2.56	1.94	7.11	7.00	6.74
15	11.71	4.73	4.40	4.67	4.49	1.82	3.64	3.50	2.93	6.40	7.00	11.88
20	7.30	2.40	6.70	4.95	2.71	-0.77	-2.98	-2.39	1.65	6.30	6.00	11.08
25	8.19	5.80	5.10	5.16	1.16	2.45	-0.93	-1.74	3.49	8.00	5.00	10.95
EOM	3.67	1.54	4.55	4.82	1.12	-0.90	2.24	-1.85	3.12	7.60	8.27	11.64
MEAN	8.17	4.57	4.54	4.74	3.20	.95	.84	.74	1.96	6.36	6.85	10.56
MAX	13.14	8.06	6.80	6.40	6.06	3.89	3.99	4.06	5.48	8.00	11.40	12.08
MIN	3.65	1.54	1.24	.62	-3.08	-1.36	-2.98	-2.99	-2.51	2.21	4.32	6.72

WTR YR 1989 MEAN 4.47 MAX 13.14 OCT 11 MIN -3.08 FEB 27

WELL NUMBER.--262713081414701. Local Number L 1985.

LOCATION.--Lat 26°27'13", long 81°41'47", in NW¼SE¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03090204, 7.4 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 8.2 mi east of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft, cased to 43 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 20.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 25-30, for the 1989 water year.

PERIOD OF RECORD.--December 1974 to September 1978 (monthly), October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.12 ft NGVD, Jan. 27, 1980; lowest, 8.45 ft NGVD, June 20, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.43	12.26	11.46	10.40	9.91	9.77	10.14	10.55	8.76	11.14	17.94	18.63
10	14.68	12.25	10.98	10.23	9.92	10.21	9.91	9.80	8.66	15.11	18.44	17.60
15	14.39	12.13	11.31	9.94	9.62	10.42	9.75	9.43	8.57	14.95	18.81	16.58
20	13.14	11.89	10.82	9.96	9.49	10.40	9.76	9.41	8.45	15.58	18.47	15.49
25	13.22	11.79	10.68	10.19	9.78	10.49	10.15	8.81	8.81	18.67	18.44	15.18
EOM	12.06	11.69	10.85	9.99	9.48	10.47	10.18	9.01	9.96	18.35	17.99	15.25
MEAN	13.95	12.08	11.14	10.13	9.76	10.24	10.01	9.65	8.79	15.13	18.37	16.77
MAX	15.61	12.71	11.67	10.53	10.05	10.70	10.42	10.57	9.96	18.67	18.97	18.81
MIN	12.06	11.58	10.67	9.70	9.46	9.28	9.51	8.81	8.45	9.99	17.74	15.18

WTR YR 1989 MEAN 12.19 MAX 18.97 AUG 23 MIN 8.45 JUN 20

LEE COUNTY

WELL NUMBER.--262831081575901. Local Number L 2212.

LOCATION.--Lat 26°28'31", long 81°57'59", in NW¼NW¼ sec.13, T.46 S., R.23 E., Hydrologic Unit 03090205, at Bunch Beach, 400 ft east of John Morris Road at Gulf of Mexico, 2 mi northwest of Ft. Myers Beach Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 236 ft, cased to 135 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 1.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Southeast corner of metal meter box, 0.50 ft above land surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft, NGVD, Aug. 30, 1989; lowest measured, 2.67 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1230	2.22	30...	1000	-0.24
24...	1330	2.02	APR		
NOV			27...	1430	-1.08
30...	1230	2.12	JUN		
DEC			02...	1330	-1.28
30...	1200	2.12	28...	1230	0.12
JAN			JUL		
26...	1230	0.22	25...	0825	1.52
FEB			AUG		
24...	1200	-1.39	30...	1335	5.82

WELL NUMBER.--262839081503100. Local Number L 735.

LOCATION.--Lat 26°28'39", long 81°50'31", in NE¼NE¼ sec.18, T.46 S., R.25 E., Hydrologic Unit 03090204, on south side of Park Road, 0.2 mi west of U.S. Highway 41, and 1.5 mi northwest of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 270 ft, cased to 223 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage, and chalked tape.

DATUM.--Land-surface datum is 4.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to November 1974 (bimonthly), December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Oct. 31, 1969; lowest measured, 1.73 ft below NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1020	7.67	30...	1425	2.69
28...	0825	5.46	APR		
NOV			27...	1340	1.81
28...	0905	5.10	JUN		
DEC			01...	0910	-0.42
29...	0915	3.95	30...	1000	-0.05
JAN			JUL		
25...	1600	3.05	24...	1550	3.95
FEB			AUG		
22...	1455	2.12	29...	1420	5.74

LEE COUNTY

WELL NUMBER.--262944081560801. Local Number L 2529.

LOCATION.--Lat 26°29'13", long 81°56'25", in SW¼NE¼ sec.7, T.46 S., R.24 E., Hydrologic Unit 03090204, on south side of Pine Ridge Road 0.25 mi east of State Road 865, and 2.6 mi north of Ft. Myers Beach Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 545 ft, cased to 304 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft NGVD, Nov. 30, 1981; lowest measured, 23.4 ft NGVD, May 30, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1300	26.48	29...	1540	26.70
24...	1400	26.28	APR		
NOV			28...	0915	25.90
30...	0830	25.90	JUN		
DEC			02...	0900	28.10
30...	1215	25.50	28...	1300	27.70
JAN			JUL		
26...	0830	25.90	25...	0740	27.30
FEB			AUG		
24...	1230	25.40	30...	0845	26.90

WELL NUMBER.--262934081495801. Local Number L 5649.

LOCATION.--Lat 26°29'34", long 81°47'28", in NE¼NE¼ sec.10, T.46 S., R.25 E., Hydrologic Unit 03090204, on the north side of Alico Road, 0.3 mi east of I 75, and 12 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 128 ft, cased to 118 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 21.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of Recorder shelf, 1.72 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.41 ft NGVD, Sept. 12, 13, 1986; lowest, 5.38 ft NGVD, Apr. 29, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.93	13.57	12.89	9.10	9.20	8.64	8.98	10.91	11.15	13.67	16.15	16.75
10	16.93	14.42	12.54	8.18	8.47	10.62	8.31	10.29	11.28	14.39	15.99	16.89
15	15.32	14.27	12.44	9.14	7.54	9.42	8.64	9.19	11.46	14.88	16.41	16.67
20	14.50	14.32	11.83	8.95	6.20	9.06	9.49	9.92	11.73	15.21	16.41	16.45
25	14.03	14.43	11.09	10.27	6.10	9.15	9.54	10.88	12.12	15.72	16.51	16.38
EOM	12.95	14.32	10.18	9.84	6.09	8.92	9.99	11.10	12.78	16.14	16.52	15.67
MEAN	15.60	14.05	12.09	9.31	7.62	9.01	9.01	10.40	11.62	14.83	16.31	16.55
MAX	18.03	14.66	14.27	10.33	9.86	10.62	9.99	11.10	12.78	16.14	16.55	16.89
MIN	12.95	12.63	10.18	8.10	5.76	6.07	8.31	9.07	11.09	12.98	15.99	15.67

WTR YR 1989 MEAN 12.23 MAX 18.03 OCT 1 MIN 5.76 FEB 27

LEE COUNTY

WELL NUMBER.--262934081495802. Local Number L 5721.

LOCATION.--Lat 26°29'34", long 81°47'28" in NE¼NE¼ sec. 10, T.46 S., R.24 E., Hydrologic Unit 03090204, on north side of Alico Road, 0.3 mi east of intersection with I-75, and 12 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 27 ft, cased to 17 ft, screened to 17 to 27 ft with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.15 ft NGVD, Aug. 29, 1986; lowest measured, 10.85 ft NGVD, June 3, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0930	18.74	28...	0815	17.30
27...	0945	17.61	JUN		
NOV			01...	0705	16.64
28...	0900	17.77	30...	1020	16.56
DEC			JUL		
29...	0900	17.08	26...	1645	17.95
JAN			31...	1300	17.73
26...	0820	17.06	AUG		
FEB			30...	0840	18.46
22...	1515	16.56			
MAR					
31...	0825	17.71			

WELL NUMBER.--263041081433101. Local Number L 1983.

LOCATION.--Lat 26°30'41", long 81°43'31", in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Road, and 7.2 mi northeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, artesian well, diameter 4 in., depth 345 ft, cased to 321 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.32 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.1 ft NGVD, Oct. 29, 1975; lowest measured, 28.0 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0910	31.34	31...	0815	29.19
27...	0810	29.04	APR		
NOV			28...	0910	28.94
28...	0835	29.19	JUN		
DEC			01...	0720	28.00
29...	0840	30.11	30...	1035	28.13
JAN			JUL		
26...	0955	29.80	31...	1325	29.39
FEB			AUG		
22...	1555	29.63	30...	0825	29.84

LEE COUNTY

WELL NUMBER.--263041081433102. Local Number L 1998.

LOCATION.--Lat 26°30'41", long 81°43'31" in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Rd., and 7.2 mi northeast of Estero Post Office. Owner: Florida Cities Water Co.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 112 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft cased to 100 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.60 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells. Well also sampled for water quality. Water levels estimated Oct. 31 - Nov. 28 - Dec. 28, May 1-8, May 29-30, 1989 water year.

PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.63 ft NGVD, Sept. 26, 1975; lowest, 24.41 ft below NGVD, Oct. 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.98	-0.60	4.20	1.87	-7.76	-2.44	-5.94	-6.85	-11.38	-9.92	-3.19	3.64
10	12.16	-0.05	-0.51	-2.09	-8.20	-2.49	-14.62	-7.90	-11.62	-3.58	-3.88	2.65
15	10.68	.40	-0.61	-3.98	-11.89	-8.59	-13.43	-9.42	-13.31	4.55	-1.21	2.66
20	9.73	2.80	-4.71	-8.68	-11.44	-9.27	-10.78	-13.20	-10.31	8.43	-5.41	-0.99
25	3.49	4.60	3.45	-3.20	-15.75	-8.63	-8.42	3.09	-12.35	13.40	2.47	1.69
EOM	-1.34	1.24	-8.59	-2.98	-15.21	-7.21	-7.88	-14.72	-6.76	.95	.69	-2.36
MEAN	8.41	1.36	-2.21	-3.27	-10.65	-7.60	-9.97	-10.09	-10.71	5.28	-1.51	1.30
MAX	17.73	5.79	4.27	2.12	-6.82	-2.01	-5.84	3.09	-2.83	14.59	6.06	3.64
MIN	-4.91	-3.40	-8.84	-8.92	-16.28	-13.14	-14.62	-14.72	-14.82	-10.71	-6.03	-2.36

WTR YR 1989 MEAN -3.23 MAX 17.73 OCT 7 MIN -16.28 FEB 26

WELL NUMBER.--263041081433103. Local Number L 1999.

LOCATION.--Lat 26°30'41", long 81°43'31", in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Road, and 7.2 mi northeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.32 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.60 ft NGVD, June 30, 1982; lowest measured, 18.46 ft NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0845	23.38	31...	0810	18.46
27...	0840	21.34	APR		
NOV			28...	0900	18.62
28...	0840	21.71	JUN		
DEC			01...	0725	19.13
29...	0835	20.07	30...	1035	22.00
JAN			JUL		
26...	0950	20.69	31...	1315	24.08
FEB			AUG		
22...	1550	19.75	30...	0825	24.71

LEE COUNTY

WELL NUMBER.--263117082051001. Local Number L 2525.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James City Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 645 ft, cased to 405 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.2 ft NGVD, Sept. 30, 1981; lowest measured, 25.4 ft NGVD, Aug. 28, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1050	30.00	25...	0850	28.50
28...	1025	28.20	MAY		
NOV			16...	1140	29.00
29...	1215	30.00	30...	1515	27.30
DEC			JUN		
28...	1430	29.90	28...	1025	29.00
JAN			JUL		
25...	1325	29.70	24...	1105	29.40
FEB			AUG		
23...	1245	29.70	30...	1130	30.50
MAR			SEP		
29...	1110	29.40	14...	1020	30.60

LEE COUNTY

WELL NUMBER.--263117082051002. Local Number L 2821.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James City Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 340 ft, cased to 290 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.4 ft NGVD, Jan. 28, 1986; lowest measured, 12.2 ft NGVD, May 2, 1985, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1050	13.90	25...	0850	12.60
28...	1035	13.80	MAY		
NOV			30...	1515	12.20
29...	1215	13.60	JUN		
DEC			28...	1025	12.80
28...	1430	13.00	JUL		
JAN			24...	1105	13.10
25...	1325	12.70	AUG		
FEB			30...	1130	13.40
23...	1245	13.10			
MAR					
29...	1110	13.10			

LEE COUNTY

WELL NUMBER.--263117082051003. Local Number L 3215.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.86 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.69 ft NGVD, Aug. 25, 1986; lowest measured, 0.49 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1050	2.19	25...	0850	0.15
28...	1020	1.92	MAY		
NOV			30...	1515	-0.49
29...	1215	1.97	JUN		
DEC			28...	1025	0.11
28...	1430	1.29	JUL		
JAN			24...	1105	1.70
25...	1325	1.99	AUG		
FEB			30...	1130	1.13
23...	1245	0.84			
MAR					
29...	1110	0.70			

LEE COUNTY

WELL NUMBER.--263127081351602. Local Number L 2215.

LOCATION.--Lat 26°31'27", long 81°35'16", in NW¼NE¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, at State Highway 82, 1.5 mi west of Hendry County Line, and 7.6 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 149 ft, cased to 99 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.31 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.97 ft NGVD, Aug. 30, 1978; lowest measured, 10.51 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1245	19.05	13...	0845	11.81
25...	1145	14.45	24...	1105	12.90
NOV			MAY		
16...	0930	14.16	15...	0845	13.50
29...	1315	14.18	30...	1335	11.33
DEC			JUN		
12...	0835	13.21	12...	0845	10.51
29...	1310	13.24	28...	1220	14.52
JAN			JUL		
09...	0830	13.14	10...	1425	19.11
25...	1230	12.86	26...	1335	21.04
FEB			AUG		
13...	0840	11.99	14...	0845	22.45
21...	1415	11.92	28...	1230	22.03
MAR					
27...	1310	14.17			

LEE COUNTY

WELL NUMBER.--263138081545801. Local Number L 730.

LOCATION.--Lat 26°31'27", long 81°35'16", in NW¼NE¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, at State Highway 82, 1.5 mi west of the Lee/Hendry County line, and 7.6 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 18.7 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 31.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to current year. Records of water levels prior to October 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 30.48 ft NGVD, Oct. 30, 1969; lowest, 24.40 ft NGVD, June 7, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.73	26.67	26.01	25.52	25.72	26.30	25.78	25.81	25.18	28.28	27.87	28.49
10	27.24	26.46	25.92	25.44	25.60	26.55	25.65	25.63	25.08	27.81	27.89	27.90
15	27.01	26.30	25.85	25.37	25.46	25.40	25.60	25.47	25.25	27.45	28.12	27.50
20	26.83	26.19	25.76	25.32	25.36	26.27	25.73	25.34	25.32	28.94	27.91	27.23
25	26.65	26.16	25.70	25.96	25.29	26.12	25.71	25.27	26.19	28.80	27.66	28.72
EOM	26.40	26.08	25.60	25.87	25.26	25.93	25.65	25.13	27.23	28.11	27.25	28.14
MEAN	27.03	26.32	25.83	25.59	25.51	26.21	25.70	25.47	25.52	28.26	27.81	27.96
MAX	27.84	26.67	26.07	25.96	25.85	26.55	25.90	25.82	27.23	29.16	28.30	28.94
MIN	26.40	26.08	25.60	25.32	25.26	25.23	25.58	25.13	25.08	27.36	27.25	27.18

WTR YR 1989 MEAN 26.44 MAX 29.16 JUL 23 MIN 25.08 JUN 10 AND OTHERS

WELL NUMBER.--263233081550301. Local Number L 1598.

LOCATION.--Lat 26°32'33", long 81°55'03", in NW¼SW¼ sec.21, T.45 S., R.24 E., Hydrologic Unit 03090205, 400 ft west of intersection of South Town and River Drive and McGregor Boulevard, and 2.1 mi southeast of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 176 ft, cased to 137 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1972 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.98 ft NGVD, Aug. 8, 1988; lowest measured, 36.28 ft below NGVD, May 31, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1230	-9.55	29...	0640	-30.57
25...	1620	-25.00	APR		
NOV			27...	0845	-26.37
30...	0715	-22.44	JUN		
DEC			02...	0830	-30.43
30...	0830	-26.42	28...	0800	-24.56
JAN			JUL		
26...	0730	-27.93	25...	1115	-11.38
FEB			AUG		
24...	0745	-29.98	30...	0800	-11.18

LEE COUNTY

WELL NUMBER.--263246081531501. Local Number L 1124.

LOCATION.--Lat 26°32'46, long 81°53'15", in SW¼NW¼ sec. 23, T.45 S., R.24 E., Hydrologic Unit 03090204, 75 ft northwest of the intersection of Summerland Road and Cypress Lake Drive. Owner: U.S. Geological Survey.

AQUIFER.-- Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 230 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Partial record.

PERIOD OF RECORD.--March 1970 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.59 ft NGVD, Aug. 18, 1970; lowest measured, 43.52 ft below NGVD, May 6, 1986.

ELEVATION, IN FEET NGVE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JAN		
04...	1300	-17.17	26...	0800	-40.62
25...	1600	-39.42	FEB		
NOV			24...	0805	-43.22
30...	0800	-33.77	MAR		
DEC			30...	0630	-43.37
27...	1720	-33.97			

WELL NUMBER.--263249081474401. Local Number L 5648.

LOCATION.--Lat 26°32'49", long 81°47'44", in SW¼NE¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 600 ft west of I-75, 6.5 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 123 ft, cased to 118 ft, screened 118 to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC threaded coupling, 2.89 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1983 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.57 ft NGVD, Sept. 28, 1983; lowest measured, 14.09 ft NGVD, May 31, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1520	19.57	25...	1330	15.23
28...	0850	17.47	MAY		
NOV			30...	1400	14.46
28...	0800	17.85	JUN		
DEC			29...	1510	15.81
27...	1600	16.46	JUL		
JAN			25...	0745	17.46
25...	1430	16.01	AUG		
FEB			28...	1330	18.86
23...	1400	14.36			
MAR					
30...	1410	15.51			

LEE COUNTY

WELL NUMBER.--263249081474402. Local Number L 5720.

LOCATION.--Lat 26°32'49", long 81°47'44", in SW¼NE¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 600 ft west of I-75, and 6.5 mi southeast of Ft. Myers Post Office. U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 30 ft, cased to 20 ft. Screened 20 to 30 ft, with .020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.90 ft NGVD, Sept. 30, 1987; lowest measured, 17.0 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1525	20.32	25...	1345	18.00
28...	0900	18.36	MAY		
NOV			30...	1400	17.00
28...	0800	18.96	JUN		
DEC			29...	1500	20.00
27...	1600	18.15	JUL		
JAN			25...	0745	18.79
25...	1420	18.40	AUG		
FEB			28...	1340	19.38
23...	1400	17.80			
MAR					
30...	1400	18.10			

WELL NUMBER.--263251081452801. Local Number L 1993.

LOCATION.--Lat 26°32'51" long 81°45'28", in SE¼NE¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 242 ft, cased to 190 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.29 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 20-22, Oct. 27-28, Dec. 22-27, 1989 water year.

PERIOD OF RECORD.--March 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.79 ft NGVD, Nov. 13, 1975 and Apr. 1-4, 1980; lowest, 6.60 ft NGVD, June 26, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.41	18.89	20.10	18.51	16.72	18.16	16.81	16.30	15.58	16.54	19.16	20.50
10	21.46	20.06	19.91	17.86	15.55	17.95	16.85	16.41	15.72	17.20	19.38	20.81
15	21.47	20.14	20.00	16.56	16.77	18.01	16.92	16.25	15.13	17.67	19.77	20.85
20	21.30	20.29	20.02	15.48	17.39	18.09	16.69	16.11	14.98	18.10	20.03	20.96
25	19.99	20.04	19.40	15.14	17.19	18.10	16.69	15.65	15.19	18.33	20.21	21.12
EOM	18.73	20.05	18.11	16.18	17.90	17.00	16.91	15.16	14.73	18.78	20.32	21.25
MEAN	20.85	19.77	19.72	16.74	16.73	17.96	16.83	16.09	15.22	17.58	19.73	20.85
MAX	21.49	20.29	20.14	19.22	17.90	18.25	17.36	16.74	15.98	18.78	20.32	21.25
MIN	18.56	18.11	18.11	14.97	15.55	17.00	16.48	15.14	14.48	15.34	18.81	20.34

WTR YR 1989 MEAN 18.18 MAX 21.49 OCT 16 AND OTHERS MIN 14.48 JUN 28

LEE COUNTY

WELL NUMBER.--263251081452802. Local Number L 1994.

LOCATION.--Lat 26°32'51", long 81°45'28", in NE¼SE¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 100 ft, cased to 70 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 24.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.77 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated May 18-30, June 29 - July 25, 1989 water year.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.19 ft NGVD, June 1, 1975; lowest, 8.89 ft NGVD, Apr. 29, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.60	15.77	14.92	13.00	13.07	12.65	11.15	13.07	13.39	18.20	20.62	20.54
10	18.60	16.67	14.79	12.78	12.28	14.41	9.85	12.17	13.88	19.10	20.49	20.76
15	17.25	16.20	14.85	13.32	11.17	12.37	10.18	10.69	14.21	19.60	20.70	20.40
20	16.41	16.53	13.80	12.78	10.28	11.83	12.05	10.35	14.50	19.85	20.38	20.18
25	15.47	16.92	13.33	14.61	10.30	11.54	11.60	12.10	15.27	20.35	20.46	19.77
EOM	14.40	16.81	12.81	13.68	10.22	10.40	12.52	12.97	16.50	20.78	20.50	19.56
MEAN	17.43	16.26	14.33	13.42	11.51	12.01	11.02	11.97	14.38	19.44	20.51	20.25
MAX	20.68	17.50	16.40	14.82	13.68	14.41	12.52	14.09	16.50	20.81	20.70	20.76
MIN	14.20	13.77	12.81	12.78	10.10	10.13	9.65	10.20	13.20	17.00	20.31	19.19

WTR YR 1989 MEAN 15.24 MAX 20.81 JUL 29 AND OTHERS MIN 9.65 APR 12

WELL NUMBER.--263251081452803. Local Number L 1995.

LOCATION.--Lat 26°32'51", long 81°45'28", in NE¼SW¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.94 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Apr. 15-25, July 29 - Aug. 27, 1989 water year.

PERIOD OF RECORD.--March 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.65 ft NGVD, Mar. 5, 1975; lowest, 19.86 ft NGVD, June 12, 13, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.22	25.00	22.71	21.96	21.88	22.47	21.33	20.96	20.52	23.45	23.05	24.75
10	23.36	24.13	22.55	21.88	21.67	22.70	21.21	20.83	20.33	22.80	23.30	25.10
15	22.86	23.62	22.56	21.75	21.50	22.25	21.20	20.76	20.47	22.22	23.65	24.52
20	22.60	23.19	22.33	21.66	21.36	22.06	21.60	20.68	21.09	22.68	23.90	23.95
25	22.37	23.48	22.22	22.60	21.65	21.86	21.35	20.58	21.16	22.48	24.05	24.74
EOM	22.11	23.07	22.07	22.09	21.48	21.53	21.01	20.39	21.64	23.70	24.84	24.87
MEAN	23.07	23.64	22.49	22.05	21.65	22.14	21.32	20.75	20.74	22.84	23.72	24.63
MAX	24.77	25.02	23.01	22.76	22.05	22.84	21.68	21.04	21.64	23.79	24.84	25.10
MIN	22.11	22.05	22.07	21.66	21.36	21.37	21.01	20.39	20.28	21.96	23.05	23.78

WTR YR 1989 MEAN 22.42 MAX 25.10 SEP 10 AND OTHERS MIN 20.28 JUN 11

LEE COUNTY

WELL NUMBER.--263253082014201. Local Number L 2643.

LOCATION.--Lat 26°32'53", long 82°01'42", in SW¼SE¼ sec.17, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of El Dorado Boulevard West, 100 ft east of Sands Boulevard, and 5.3 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 200 ft, cased to 141 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1978, November 1978 to September 1979 (bimonthly), October 1979 to January 1981 (semiannually), February 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.56 ft NGVD, Sept. 5, 1978; lowest measured, 3.00 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	0950	5.36	13...	1200	-0.23
24...	1005	2.62	24...	1100	-0.65
NOV			MAY		
15...	1200	1.28	15...	1020	-1.74
29...	0905	1.54	30...	1220	-3.00
DEC			JUN		
12...	1000	1.58	12...	0900	-2.75
28...	1020	1.22	27...	0850	-1.70
JAN			JUL		
09...	1015	0.80	10...	0930	0.52
25...	0855	0.86	24...	0830	1.27
FEB			AUG		
13...	0930	0.36	14...	0820	2.74
23...	0955	0.35	30...	0900	2.48
MAR					
13...	1000	1.01			
29...	0830	0.42			

LEE COUNTY

WELL NUMBER.--263253082014202. Local Number L 3206.

LOCATION.--Lat 26°32'53", long 82°01'42", in SW¼SW¼ sec.17, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of El Dorado Boulevard West, 100 ft east of Sands Boulevard, and 5.3 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to October 1980 (semiannually), January 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.25 ft NGVD, Aug. 26, 1986; lowest measured, 0.77 ft NGVD, May 26, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	0953	2.23
24...	1005	1.95
NOV 29...	0905	2.00
DEC 28...	1030	1.58
JAN 25...	0855	1.65
FEB 23...	0955	1.52
MAR 29...	0830	1.62
APR 24...	1100	1.22
MAY 30...	1220	1.09
JUN 27...	0850	2.20
JUL 24...	0830	2.22
AUG 30...	0900	2.24

LEE COUNTY

WELL NUMBER.--263257081585701. Local Number L 2642.

LOCATION.--Lat 26°32'57", long 81°58'57", in SE¼SW¼ sec.14, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median of Pelican Boulevard, 150 ft north of El Dorado Parkway West, and 2.5 mi southwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 108 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to August 1979 (bimonthly), October 1979 to October 1980 (semiannually), January 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.14 ft below NGVD, Aug. 1, 1978; lowest measured, 39.07 ft below NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	0915	-15.56
24...	0935	-28.23
NOV		
15...	1115	-27.18
29...	0840	-24.73
DEC		
12...	0930	-25.16
28...	1010	-27.62
JAN		
09...	0935	-29.48
25...	0840	-26.16
FEB		
13...	0915	-28.55
23...	0940	-28.32
APR		
13...	1135	-31.75
24...	1045	-30.46
MAY		
02...	1030	-31.63
15...	1000	-35.10
30...	1205	-35.77
JUN		
12...	0825	-34.62
27...	0835	-28.62
JUL		
10...	0910	-17.90
24...	0820	-19.44
AUG		
14...	0810	-16.79
30...	0855	-17.73

WELL NUMBER.--263257081585702. Local Number L 3205.

LOCATION.--Lat 26°32'57", long 81°58'57", in SE¼SW¼ sec.14, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median of Pelican Boulevard, 150 ft north of El Dorado Parkway West, 2.5 mi southwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.49 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), May 1980 to October 1980 (semiannually), January 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.81 ft NGVD, June 4, 1979; lowest measured, 0.47 ft below NGVD, Apr. 4, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	0915	1.60
24...	0935	0.97
NOV		
29...	0840	0.44
DEC		
28...	1015	0.71
JAN		
25...	0840	0.51
FEB		
23...	0940	0.29
MAR		
29...	0810	0.42

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
APR		
24...	0645	0.62
MAY		
02...	1035	0.62
30...	1200	0.73
JUN		
27...	0835	1.66
JUL		
24...	0820	1.12
AUG		
30...	0855	1.04

LEE COUNTY

WELL NUMBER.--263323081522401. Local Number L 742.

LOCATION.--Lat 26°33'23", long 81°52'24", in SE¼SE¼ sec.14, T.45 S., R.24 E., Hydrologic Unit 03090205, 0.1 mi west of intersection of College Parkway and U.S. Highway 41, and 6.0 mi south of Fort Myers Post Office. Owner: Florida Cities Water Co.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 225 ft, cased to 138 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.20 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Oct. 1-3, Feb. 24 - Mar. 12, 1989 water year.

PERIOD OF RECORD.--October 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.02 ft NGVD, Dec. 15, 1968; lowest, 78.61 ft below NGVD, May 16, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-29.36	-50.01	-38.34	-46.76	-40.36	-38.20	-44.28	-47.11	-48.46	-36.91	-32.53	-31.91
10	-32.66	-45.22	-38.85	-52.51	-40.74	-37.60	-44.04	-47.69	-48.07	-28.16	-35.15	-30.57
15	-39.15	-42.70	-39.19	-54.51	-41.90	-40.99	-44.41	-50.10	-47.70	-25.03	-35.79	-28.71
20	-44.00	-41.73	-39.64	-52.32	-46.45	-41.87	-46.64	-47.24	-47.64	-25.67	-35.70	-33.02
25	-48.56	-39.37	-37.89	-51.04	-40.79	-42.04	-46.39	-48.90	-44.94	-25.84	-34.02	-38.83
EOM	-51.10	-38.88	-46.06	-40.67	-42.42	-43.48	-45.82	-48.66	-41.31	-33.15	-33.41	-38.72
MEAN	-39.61	-43.58	-40.04	-49.18	-42.34	-40.72	-45.13	-47.90	-47.05	-29.40	-34.51	-33.27
MAX	-28.75	-38.75	-37.83	-40.39	-39.51	-37.50	-43.35	-46.42	-41.31	-24.89	-32.53	-28.71
MIN	-51.38	-50.53	-49.07	-54.79	-47.85	-43.85	-46.83	-50.10	-49.29	-40.19	-36.18	-38.96

WTR YR 1989 MEAN -41.04 MAX -24.89 JUL 16 MIN -54.79 JAN 17

LEE COUNTY

WELL NUMBER.--263327081512001. Local Number L 1121.

LOCATION.--Lat 26°33'27", long 81°51'20", in NE¼SE¼ sec.13, T.45 S., R.23 E., Hydrologic Unit 03090205, 120 ft east of the intersection of Fordham and Gorman, and 2 mi south of Ft. Myers Post Office at Page Field. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 220 ft, cased to 147 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.-- August 1970 to April 1985 (semiannual), May 1985 to current year. Records of water levels prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.20 ft NGVD, Oct. 20, 1970; lowest measured, 50.82 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
04...	1315	-18.27
24...	1500	-33.11
NOV		
15...	1430	-32.09
30...	1430	-28.74
DEC		
12...	1300	-29.74
27...	1645	-30.69
JAN		
09...	1300	-32.72
26...	1415	-32.59
FEB		
13...	1315	-34.19
24...	1420	-33.69
MAR		
27...	1445	-33.76
APR		
25...	1430	-37.37
MAY		
02...	1100	-37.49
15...	1310	-41.74
30...	1430	-50.82
JUN		
12...	0710	-39.13
28...	1400	-35.64
JUL		
10...	1145	-26.07
25...	0705	-24.79
AUG		
14...	1015	-27.19

LEE COUNTY

WELL NUMBER.--263329081394301. Local Number L 2204.

LOCATION.--Lat 26°33'29", long 81°39'43", in SE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 26 ft, cased to 23 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.44 ft NGVD, Sept. 27, 1979; lowest measured, 18.31 ft NGVD, Nov. 25, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1240	26.24	19...	0840	24.17
28...	1215	25.20	26...	1515	24.28
NOV			MAY		
30...	1005	25.17	30...	1235	24.45
DEC			JUN		
29...	1330	24.65	29...	1400	26.35
JAN			JUL		
25...	1300	24.60	26...	0825	27.35
FEB			AUG		
23...	1245	24.15	28...	1205	27.85
MAR					
30...	1300	24.45			

LEE COUNTY

WELL NUMBER.--263329081394302. Local Number L 1625.

LOCATION.--Lat 26°33'29", long 81°39'43", in SE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 218 ft, cased to 162 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.49 ft NGVD, Nov. 25, 1985; lowest measured, 13.72 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
05...	1240	27.41
28...	1210	17.69
NOV		
30...	1005	17.27
DEC		
29...	1330	16.12
JAN		
25...	1300	15.48
FEB		
23...	1250	13.80
MAR		
30...	1300	13.72
APR		
26...	1530	13.86
MAY		
30...	1230	14.02
JUN		
29...	1400	16.32
JUL		
26...	0825	19.80
AUG		
28...	1210	21.32

LEE COUNTY

WELL NUMBER.--263335081394301. Local Number L 729.

LOCATION.--Lat 26°33'35", long 81°39'43", in NE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of intersection of State Highway 82 and Alabama Road and 3.2 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 103 ft, cased to 81 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 29.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.45 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to May 1977 (monthly), June 1977 to current year. Records of water levels prior to May 1977 available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.46 ft NGVD, Oct. 1, 2, 1979; lowest, 11.54 ft NGVD, Feb. 28, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.11	17.02	16.25	14.35	13.83	13.92	13.22	15.50	14.24	20.16	22.33	21.57
10	18.47	16.19	15.75	14.36	13.83	14.70	12.44	15.30	14.68	20.83	22.08	21.62
15	17.69	16.55	16.10	14.26	12.82	13.39	12.53	14.99	15.58	21.07	22.69	21.30
20	17.52	16.32	15.71	14.14	12.59	13.74	13.95	14.18	16.00	21.39	22.32	20.83
25	15.88	16.50	15.63	15.88	11.84	14.24	13.74	13.82	17.37	21.90	22.37	20.93
EOM	15.08	16.41	15.30	15.08	11.54	12.55	15.68	14.20	18.76	22.16	21.78	21.45
MEAN	17.52	16.64	15.79	14.75	13.22	13.70	13.37	14.80	15.84	21.07	22.29	21.30
MAX	20.62	17.83	16.91	16.53	15.20	15.60	15.68	17.24	18.76	22.16	22.69	21.65
MIN	15.08	15.02	14.95	13.89	11.54	12.02	12.01	13.23	14.22	19.00	21.78	20.60

WTR YR 1989 MEAN 16.72 MAX 22.69 AUG 15 AND OTHERS MIN 11.54 FEB 28

LEE COUNTY

WELL NUMBER.--263344081361701. Local Number L 1963.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artersian well, diameter 4 in., depth 74 ft, cased to 68 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.41 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.53 ft NGVD, Sept. 26, 1975; lowest measured, 12.59 ft NGVD, Apr. 13, 1989

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1330	18.31	13...	0825	12.59
25...	1325	14.80	24...	1025	15.34
NOV			MAY		
16...	0900	15.95	15...	0840	14.47
29...	1405	16.57	30...	1400	13.61
DEC			JUN		
12...	0830	15.45	12...	0830	13.31
29...	1350	15.51	28...	1255	17.11
JAN			JUL		
09...	0815	14.85	10...	1435	21.02
25...	1310	15.44	26...	1410	21.87
FEB			AUG		
13...	0825	15.39	14...	0830	22.39
21...	1450	14.30	28...	1310	21.23
MAR					
27...	1340	15.40			

LEE COUNTY

WELL NUMBER.--263344081361702. Local Number L 1964.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.52 ft NGVD, June 30, 1982; lowest measured, 22.47 ft NGVD, May 28, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1330	26.46	24...	1025	24.67
25...	1320	25.34	MAY		
NOV			30...	1355	24.63
29...	1410	25.17	JUN		
DEC			28...	1255	25.36
29...	1350	24.83	JUL		
JAN			26...	1415	27.03
25...	1315	24.70	AUG		
FEB			28...	1310	26.87
21...	1450	24.52			
MAR					
27...	1340	25.07			

WELL NUMBER.--263344081361703. Local Number L 2186.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼, sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 133 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 31.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated May 30 - June 27, 1989 water year.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.30 ft NGVD, Sept. 30, 1979; lowest, 11.95 ft NGVD, Feb. 26, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.89	15.70	14.85	15.04	13.17	14.20	14.13	16.97	14.10	20.38	21.99	20.46
10	17.56	16.61	14.04	14.87	14.62	15.35	13.89	15.99	13.80	20.97	21.56	20.82
15	16.27	16.51	16.04	14.39	14.66	15.37	13.71	15.23	14.00	20.54	22.48	18.99
20	15.74	15.91	15.81	14.49	14.37	15.95	15.21	14.55	14.20	21.09	22.06	18.29
25	14.85	16.14	15.82	15.56	13.41	15.24	15.67	14.11	14.00	21.75	21.84	19.65
EOM	14.78	15.85	15.12	16.03	12.26	14.30	16.06	13.70	18.91	22.16	19.85	20.85
MEAN	16.32	16.02	15.29	15.10	14.03	14.96	14.65	15.28	14.70	20.94	21.80	19.73
MAX	18.22	16.97	16.04	16.03	15.73	15.95	16.06	17.38	18.91	22.16	22.48	20.85
MIN	14.53	14.36	13.99	14.29	11.95	12.20	13.30	13.70	13.40	19.25	19.85	17.98

WTR YR 1989 MEAN 16.59 MAX 22.48 AUG 15 AND OTHERS MIN 11.95 FEB 26

LEE COUNTY

WELL NUMBER.--263344081361704. Local Number L 2311.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 31.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.2 ft NGVD, Sept. 1, 1988; lowest measured, 48.1 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1330	55.00	24...	1005	50.20
25...	1315	54.20	MAY		
NOV			30...	1355	48.90
29...	1350	54.70	JUN		
DEC			28...	1255	51.00
29...	1350	54.90	JUL		
JAN			26...	1410	52.10
25...	1310	54.20	AUG		
FEB			28...	1305	52.50
21...	1445	50.30			
MAR					
27...	1340	51.60			

LEE COUNTY

WELL NUMBER.--263353081335801. Local Number L 1965.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE¼NE¼ sec.13, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Naples North-South Road and Milwaukee Boulevard, and 5.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 225 ft, cased to 50 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1965 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.26 ft NGVD, Aug. 30, 1978; lowest measured, 9.69 ft NGVD, Dec. 29, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 04...	1255	15.89	APR 24...	1035	18.03
25...	1210	12.65	MAY 30...	1345	9.90
NOV 29...	1345	15.17	JUN 28...	1230	19.66
DEC 29...	1320	9.69	JUL 26...	1345	22.68
JAN 25...	1235	15.31	AUG 28...	1240	22.82
FEB 21...	1425	14.23			
MAR 27...	1315	14.75			

LEE COUNTY

WELL NUMBER.--263353081335802. Local Number L 1992.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE¼NE¼ sec.13, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Naples North-South Road and Milwaukee Boulevard, and 5.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 29 ft, cased to 19 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.97 ft NGVD, July 28, 1977; lowest measured, 19.24 ft NGVD, Feb. 27, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1250	23.37	24...	1035	23.32
25...	1210	23.33	MAY		
NOV			30...	1345	22.66
29...	1345	23.23	JUN		
DEC			28...	1230	24.18
29...	1320	23.08	JUL		
JAN			26...	1350	24.64
25...	1235	23.12	AUG		
FEB			28...	1240	23.72
21...	1425	22.95			
MAR					
27...	1318	23.15			

WELL NUMBER.--263357081575602. Local Number L 2703.

LOCATION.--Lat 26°33'57", long 81°57'56", in SW¼SE¼ sec.12, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median strip of Country Club Boulevard, 150 ft east of Palm Tree Boulevard, and 1.3 mi west of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 159 ft, cased to 120 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 1-25, Apr. 4-26, July 15-24, Aug. 6 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.50 ft below NGVD, Oct. 1, 1979; lowest 45.40 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-20.65	-31.64	-28.05	-31.42	-30.20	-29.05	-32.48	-32.37	-38.26	-24.84	-18.58	-22.48
10	-25.40	-30.67	-28.02	-31.75	-29.53	-26.49	-32.41	-36.04	-36.61	-21.92	-20.40	-21.22
15	-28.05	-30.55	-28.78	-31.97	-31.31	-28.62	-31.44	-36.57	-39.87	-20.00	-22.00	-22.15
20	-30.10	-30.48	-28.71	-31.57	-32.17	-28.56	-32.79	-35.55	-38.48	-21.20	-22.90	-23.10
25	-32.20	-26.99	-29.40	-28.91	-29.30	-28.45	-34.00	-38.99	-34.52	-22.72	-22.90	-23.30
EOM	-34.59	-28.13	-29.15	-29.90	-30.82	-29.48	-33.32	-39.69	-28.64	-19.89	-23.15	-22.10
MEAN	-27.68	-30.20	-28.72	-30.73	-30.67	-28.99	-32.31	-36.19	-36.86	-22.20	-21.47	-22.48
MAX	-19.39	-26.85	-27.00	-27.46	-28.47	-26.34	-29.24	-32.13	-28.64	-19.80	-18.58	-20.96
MIN	-35.27	-34.57	-30.93	-33.77	-32.56	-31.97	-35.47	-39.69	-39.87	-27.72	-23.60	-23.98

WTR YR 1989 MEAN -29.01 MAX -18.58 AUG 5 MIN -39.87 JUN 15

LEE COUNTY

WELL NUMBER.--263357081575603. Local Number L 3213.

LOCATION.--Lat 26°33'57", long 81°57'56", in sec.12, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median of Country Club Boulevard,150 ft east of Palm Tree Boulevard, and 1.3 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 17.5 ft, cased to 7.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft NGVD, Aug. 26, 1986; lowest measured, 0.75 ft NGVD, Feb. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	0845	3.35	24...	0940	2.35
24...	0855	2.57	MAY		
NOV			30...	1130	1.67
29...	0800	2.61	JUN		
DEC			27...	0745	3.10
28..	0945	2.50	JUL		
JAN			24...	0735	3.12
25...	0805	2.40	AUG		
FEB			30...	0827	3.08
23...	0905	1.93			
MAR					
29...	0745	2.11			

LEE COUNTY

WELL NUMBER.--263307081555901. Local Number L 2435.

LOCATION.--Lat 26°34'07", long 81°55'59", in NW¼SE¼ sec.8, T.45 S., R.24 E., Hydrologic Unit 03090205, at intersection of 20th Place and 44th Street and 0.6 mi northeast of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 704 ft, cased to 352 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1977 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.8 ft NGVD, Sept. 27, 1979; lowest measured, 23.1 ft NGVD, Dec. 30, 1981, May 16, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	0900	26.00
24...	0925	24.50
NOV		
29...	0825	24.70
DEC		
28...	0950	24.40
JAN		
25...	0740	24.20
FEB		
23...	0920	24.20
MAR		
29...	0758	24.10
APR		
24...	1030	24.00
MAY		
16...	0810	23.10
30...	1150	23.90
JUN		
27...	1120	24.20
JUL		
24...	0805	25.00
AUG		
30...	0850	25.10
SEP		
14...	1200	26.10

LEE COUNTY

WELL NUMBER --263440082022001. Local Number L 2644.

LOCATION.--Lat 26°34'40", long 82°02'20", in SW¼SW¼ sec.5, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of Surfside Boulevard, at the intersection of 39th Terrace, and 5.5 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 112 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 128 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 6.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.11 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 24-29, Dec. 28 - Feb. 23, Apr. 11-23, Aug. 19-30, 1989 water year.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.28 ft NGVD, Sept. 22, 1988; lowest, 3.25 ft below NGVD, June 15, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.81	1.89	1.71	1.24	.94	.58	-0.14	-1.08	-2.85	-1.03	1.74	1.82
10	4.48	1.76	1.73	1.06	.68	.67	-0.24	-1.37	-3.02	-0.54	1.67	2.19
15	4.03	1.61	1.66	.81	.55	.72	-0.40	-1.67	-3.25	.01	1.77	2.37
20	3.42	1.56	1.69	.66	.19	.55	-0.45	-2.11	-3.08	.26	2.0[illegible]	2.20
25	2.82	1.72	1.58	.80	.15	.52	-1.01	-2.58	-2.60	.29	1.95	2.27
EOM	1.87	1.61	1.42	.98	.37	.30	-1.09	-3.00	-1.87	.92	1.86	2.39
MEAN	3.74	1.71	1.65	.97	.55	.54	-0.46	-1.88	-2.85	-0.18	1.78	2.15
MAX	5.02	1.89	1.83	1.39	.99	.72	.27	-1.03	-1.87	.92	2.12	2.39
MIN	1.87	1.56	1.34	.61	.15	.19	-1.12	-3.00	-3.25	-1.65	1.02	1.81

WTR YR 1989 MEAN .65 MAX 5.02 OCT 1 MIN -3.25 JUN 15

WELL NUMBER.--263440082022002. Local Number L 3207.

LOCATION.--Lat 26°34'40", long 82°02'20", in SW¼SW¼ sec.5, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of Surfside Boulevard, at the intersection of 39th Terrace, and 5.5 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.31 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), May 1980 to October 1980 (semiannually), January 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.22 ft NGVD, Mar. 31, 1987; lowest measured, 0.57 ft below NGVD, Nov. 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMPER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1000	2.11	24...	1120	0.92
24...	1020	1.72	MAY		
NOV			30...	1230	0.84
29...	0915	1.83	JUN		
DEC			27...	0910	1.79
28...	1045	1.41	JUL		
JAN			24...	0840	1.95
25...	0915	1.57	24...	1120	1.44
FEB			AUG		
23...	1010	1.32	30...	0900	2.34
MAR					
29...	0840	1.30			

LEE COUNTY

WELL NUMBER.--263532081592201. Local Number L 581.

LOCATION.--Lat 26°35'32", long 81°59'22", in NW¼NW¼ sec.2, T.45 S., R.23 E., Hydrologic Unit 03090205, 0.1 mi east of intersection of Skyline Boulevard and Gleason Parkway and 3.5 mi northwest of Cape Coral Post Office. Owner: City of Cape Coral, Florida.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 177 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 9.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.40 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells. Well also sampled for water quality. Water levels estimated Oct. 15-23, Oct. 29 - Nov. 14, Jan. 22-25, Mar. 4-14, 1989 water year.

PERIOD OF RECORD.--May 1966 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.77 ft below NGVD, Sept. 10, 1960; lowest, 41.56 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-17.04	-28.00	-24.64	-26.63	-26.32	-27.20	-29.06	-30.88	-36.75	-25.99	-20.51	-20.99
10	-18.74	-27.30	-25.97	-27.21	-27.03	-24.20	-29.45	-33.21	-36.99	-23.94	-22.16	-19.51
15	-21.40	-26.67	-25.54	-27.66	-27.64	-25.10	-29.79	-34.12	-35.72	-22.44	-22.22	-19.72
20	-24.70	-26.83	-25.16	-28.20	-28.30	-25.82	-30.12	-33.82	-33.77	-23.45	-22.03	-21.46
25	-26.40	-25.15	-25.63	-26.41	-27.54	-26.94	-30.17	-35.20	-31.84	-23.98	-21.50	-21.74
EOM	-28.50	-24.86	-26.11	-25.82	-27.64	-28.12	-30.82	-35.57	-28.70	-21.50	-22.77	-20.78
MEAN	-22.12	-26.74	-25.47	-27.03	-27.31	-26.35	-29.72	-33.53	-34.53	-23.94	-21.81	-20.83
MAX	-16.58	-24.86	-24.51	-25.51	-26.05	-24.15	-28.36	-30.82	-28.70	-21.50	-20.51	-19.33
MIN	-28.60	-28.40	-26.39	-28.47	-28.51	-28.38	-30.98	-35.62	-37.04	-28.20	-23.12	-22.56

WTR YR 1989 MEAN -26.59 MAX -16.58 OCT 1 MIN -37.04 JUN 11

LEE COUNTY

WELL NUMBER.--263532081592202. Local Number L 1136.

LOCATION.--Lat 26°35'32", long 81°59'22", in NW¼NW¼ sec.2, T.45 S., R.23 E., Hydrologic Unit 03090205, 0.1 mi east of intersection of Skyline Boulevard and Gleason Parkway, and 3.5 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4" cap, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1970 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.94 ft NGVD, July 31, 1974; lowest measured, 2.01 ft NGVD, Apr. 29, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1058	4.74	13...	1310	3.34
24...	1205	4.16	24...	1200	3.21
NOV			MAY		
15...	1230	4.31	02...	1015	2.66
29...	0955	4.36	15...	1100	2.83
DEC			30...	1305	2.82
12...	1100	3.63	JUN		
28...	1130	4.61	12...	0925	2.71
JAN			27...	0925	3.77
09...	1100	3.02	JUL		
25...	1120	5.00	10...	1020	5.03
FEB			24...	0910	4.56
13...	1015	3.91	AUG		
23...	1040	3.62	14...	0845	4.85
MAR			30...	0925	4.79
29...	0915	3.82			

LEE COUNTY

WELL NUMBER.--263533081573401. Local Number L 2641.

LOCATION.--Lat 26°35'33", long 81°57'34", in SE¼SE¼ sec.36, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Academy Boulevard SE, 100 ft north of 32nd Street and 2.8 mi northwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 170 ft, cased to 118 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1980 (bimonthly), October 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.78 ft below NGVD, Aug. 26, 1986, lowest measured, 50.02 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	0805	-23.44	24...	0910	-38.34
24...	0830	-34.37	MAY		
NOV			30...	1120	-45.02
29...	0750	-31.72	JUN		
DEC			27...	0735	-38.86
28...	0900	-33.29	JUL		
JAN			24...	0725	-26.68
25...	0755	-31.94	AUG		
FEB			30...	0820	-27.52
23...	0855	-35.42			
MAR					
29...	0735	-36.73			

WELL NUMBER.--263533081573402. Local Number L 3204.

LOCATION.--Lat 26°35'33", long 81°57'34", in SE¼SE¼ sec.36, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Academy Boulevard SE, 100 ft north of 32nd Street,and 2.8 mi northwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 20 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.54 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Partial record only due to well being plugged.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), May 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.66 ft NGVD, Feb. 28, 1983; lowest measured, 1.34 ft NGVD, May 28, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			DEC		
03...	0805	4.93	28...	0900	2.67
24...	0830	3.82	JAN		
NOV			25...	0755	2.43
29...	0750	3.29			

WELL NUMBER.--263621081563701. Local Number L 2702.

LOCATION.--Lat 26°36'21", long 81°56'37", in NE¼NE¼ sec.31, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median strip of Everest Parkway, and 200 ft west of Del Prado and 2.3 mi north of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 155 ft, cased to 125 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 30 - Nov. 13, Mar. 29-31, June 2-26, July 7-24, 1989 water year.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.52 ft below NGVD, Oct. 17, 1978; lowest, 44.65 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-21.52	-34.60	-28.10	-30.03	-29.62	-29.90	-32.20	-33.02	-40.20	-26.87	-22.08	-22.16
10	-23.24	-32.20	-28.39	-30.41	-29.43	-27.94	-32.15	-35.38	-42.40	-24.77	-24.46	-20.89
15	-26.16	-31.60	-28.22	-30.75	-30.95	-28.94	-32.22	-35.97	-40.00	-24.40	-24.29	-21.66
20	-31.33	-30.97	-28.13	-30.41	-29.92	-29.63	-32.97	-35.93	-37.00	-25.00	-23.91	-22.65
25	-33.31	-26.37	-28.52	-28.83	-30.03	-29.59	-33.07	-37.91	-33.60	-25.84	-23.25	-23.23
EOM	-35.60	-28.65	-28.72	-29.10	-30.56	-30.90	-33.67	-38.79	-30.17	-23.00	-23.58	-22.32
MEAN	-28.07	-31.58	-28.41	-29.75	-29.91	-29.80	-32.42	-35.83	-37.86	-25.32	-23.49	-22.18
MAX	-21.48	-28.31	-27.40	-27.93	-27.72	-27.94	-30.67	-32.90	-30.17	-23.00	-22.08	-20.59
MIN	-35.75	-35.75	-29.53	-31.65	-31.08	-32.39	-34.17	-39.04	-42.60	-29.44	-25.25	-24.01

WTR YR 1989 MEAN -29.53 MAX -20.59 SEP 12 MIN -42.60 JUN 11

WELL NUMBER.--263621081563702. Local Number L 3212.

LOCATION.--Lat 26°36'21", long 81°56'37", in NE¼NE¼ sec.31, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median of Everest Parkway, 200 ft west of Del Prado, and 2.3 mi north of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft NGVD, May 31, 1979; lowest measured, 0.06 ft NGVD, Jan. 29, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	0755	2.35	24...	0835	0.84
24...	0800	1.60	MAY		
NOV			30...	1100	1.03
29...	0730	1.30	JUN		
DEC			27...	0720	2.10
28...	0845	1.03	JUL		
JAN			24...	0710	2.03
25...	0705	0.96	AUG		
FEB			30...	0805	2.10
23...	0800	0.87			
MAR					
29...	0710	0.85			

LEE COUNTY

WELL NUMBER.--263630081375301. Local Number L 1418.

LOCATION.--Lat 26°36'30", long 81°37'53", in SE¼NE¼ sec.32, T.44 S., R.27 E., Hydrologic Unit 03090205, 0.5 mi north of intersection of Leeland Heights Boulevard and Texas Road and 1.0 mi northeast of Lehigh Acres Post Office. Owner: Lehigh Corporation.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 62 ft, cased to 55 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.76 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells. Well also sampled for water quality. Water levels estimated Mar. 24-30, Apr. 21-25, May 8-30, June 15-29, 1989 water year. Recorder removed from Oct. 12 to Mar. 9. Missing record not estimated.

PERIOD OF RECORD.--January 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.05 ft NGVD, June 20, 1971; lowest, 8.53 ft NGVD, May 1, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.92					---	14.41	15.91	14.65	19.37	18.22	17.15
10	14.97					14.51	13.69	15.15	14.80	18.80	17.81	17.35
15	---					13.55	14.61	14.75	15.35	18.43	17.69	16.60
20	---					14.46	15.08	14.30	16.25	18.17	18.19	16.48
25	---					14.60	15.00	14.15	17.35	17.92	18.12	17.91
EOM	---					13.69	15.88	14.17	18.36	18.20	16.74	18.23
MEAN	21.64					14.31	14.47	14.85	15.84	18.39	17.91	17.14
MAX	19.37					15.01	15.88	16.37	18.36	19.37	18.37	18.38
MIN	14.89					13.54	13.23	14.00	14.07	17.62	16.74	16.09

WTR YR 1989 MEAN 16.52 MAX 19.37 JULY 5 MIN 13.23 APR 11

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

LEE COUNTY

WELL NUMBER.--263633082002701. Local Number L 1116.

LOCATION.--Lat 26°36'53", long 82°00'27", in SE¼SE¼ sec.28, T.44 S., R.23 E., Hydrologic Unit 03100103, 200 ft northeast of the intersection 15th Avenue and 19th Lane S.W. and 5.8 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 205 ft, cased to 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM. Land-surface datum is 9.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1970 to April 1974 (annually), May 1975 to May 1976 (semiannually), October 1976 to September 1980 (quarterly), October 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.08 ft below NGVD, Sept. 23, 1986; lowest measured, 44.20 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	1110	-16.96
24...	1240	-24.42
NOV		
29...	1015	-22.64
DEC		
28...	1200	-19.58
JAN		
25...	1130	-22.65
FEB		
23...	1055	-25.79
MAR		
29...	0930	-27.16
APR		
24...	1230	-27.72
JUN		
27...	0940	-26.99
JUL		
24...	0920	-24.96
AUG		
28...	1345	-24.04
30...	0950	-22.16

LEE COUNTY

WELL NUMBER.--263712081461201. Local Number L 728.

LOCATION.--Lat 26°37'12", long 81°46'12", in NE¼SW¼ sec.25, T.44 S., R.25 E., Hydrologic Unit 03090204, at intersection of Lee Boulevard and State Highway 82, and 6.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality

PERIOD OF RECORD.--July 1968 to February 1972 (bimonthly), March 1972 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.44 ft NGVD, Sept. 27, 1979; lowest measured, 15.94 ft NGVD, May 17, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1525	19.77	19...	0825	18.74
28...	1155	18.19	28...	1315	18.05
NOV			MAY		
28...	1355	18.72	31...	1420	16.61
DEC			JUN		
29...	1700	18.04	30...	1245	17.24
JAN			JUL		
26...	1205	18.14	31...	1225	20.78
FEB			AUG		
24...	1240	17.44	30...	1200	20.58
MAR					
31...	1415	17.58			

WELL NUMBER.--263718081485001. Local Number L 1973.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 02090205, in city well field at Eastwood Golf Course, 300 ft west of Ortiz Boulevard and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 225 ft, cased to 172 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.50 ft NGVD, Sept. 17, 1974; lowest measured, 5.22 ft NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1258	11.11	29...	1330	8.47
27...	0930	9.72	APR		
NOV			25...	1215	7.94
29...	1440	9.55	JUN		
DEC			01...	1150	6.34
29...	1500	9.24	28...	0810	7.13
JAN			JUL		
25...	1530	9.47	24...	1310	9.13
FEB			AUG		
23...	1500	8.26	30...	1335	10.47

LEE COUNTY

WELL NUMBER.--263718081485002. Local Number L 1974.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, in city well field, at Eastwood Golf Course, 300 ft west of Ortiz Boulevard, and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 134 ft, cased to 85 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.13 ft NGVD, Sept. 26, 1976; lowest measured, 14.73 ft NGVD, Apr. 1, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1258	16.31	29...	1330	16.18
27...	0930	15.86	APR		
NOV			25...	1215	16.32
29...	1440	16.21	JUN		
DEC			01...	1150	14.74
29...	1500	16.08	28...	0810	16.34
JAN			JUL		
25...	1530	16.19	24...	1310	16.41
FEB			AUG		
23...	1500	15.39	30...	1335	17.42

WELL NUMBER.--263718081485003. Local Number L 2292.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, in city well field, at Eastwood Golf Course, 300 ft west of Ortiz Boulevard, and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 616 ft, cased to 302 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 20.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.5 ft NGVD, Dec. 27, 1985; lowest measured, 32.7 ft NGVD, June 29, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1255	39.70	25...	1215	39.10
27...	0930	39.00	MAY		
NOV			16...	1015	38.60
29...	1440	39.70	JUN		
DEC			01...	1150	38.10
29...	1500	38.80	JUL		
JAN			24...	1310	38.90
25...	1530	39.00	AUG		
FEB			30...	1335	39.70
23...	1500	38.30	SEP		
MAR			14...	0820	42.20
29...	1325	39.10			

LEE COUNTY

WELL NUMBER.--263743082041201. Local Number L 2645.

LOCATION.--Lat 26°37'43", long 82°04'12", in NW¼SW¼ sec.24, T.44 S., R.22 E., Hydrologic Unit 03100103, across the street from the Matlacha Fire House at Matlacha Park and 0.1 mi south of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 160 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Nov. 26, 1986; lowest measured, 10.7 ft NGVD, Oct. 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1000	13.80	25...	0910	13.00
28...	0940	12.40	MAY		
NOV			30...	1530	12.10
29...	1230	13.40	JUN		
DEC			28...	0945	13.40
28...	1345	14.00	JUL		
JAN			24...	1120	13.40
25...	1245	13.30	AUG		
FEB			30...	1145	14.10
23...	1305	13.20			
MAR					
29...	1130	13.20			

WELL NUMBER.--263743082041202. Local Number L 3208.

LOCATION.--Lat 26°37'43", long 82°04'12", in NW¼SW¼ sec.24, T.44 S., R.22 E., Hydrologic Unit 03100103, across the street from the Matlacha Fire House at Matlacha Park and 0.1 mi south of the Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.82 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.31 ft NGVD, Mar. 31, 1987; lowest measured, 0.43 ft below NGVD, Jan. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1000	1.17	29...	1130	0.88
28...	0935	1.27	APR		
NOV			25...	0910	0.96
29...	1230	0.39	MAY		
DEC			30...	1530	0.26
28...	1345	0.56	JUN		
JAN			28...	0945	2.00
25...	1245	0.49	AUG		
FEB			30...	1145	1.88
23...	1305	0.52			

LEE COUNTY

WELL NUMBER.--263802081493501. Local Number L 246.

LOCATION.--Lat 26°38'02", long 81°49'35", in SE¼NE¼ sec.20, T.44 S., R.25 E., Hydrologic Unit 03090205, 0.5 mi south of junction of State Highway 82, and Arcadia Street, and 2.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 26 ft, cased to 19 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder platform, 3.00 ft above land-surface datum.

REMARKS.--Determine effect of municipal pumping on ground-water levels. Well also sampled for water quality.

PERIOD OF RECORD.--January 1945 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.13 ft NGVD, Sept. 18, 1985; lowest, 8.90 ft NGVD, Mar. 30, 1956.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.99	18.31	17.27	17.84	18.49	19.10	19.03	18.38	17.14	19.41	18.64	19.24
10	17.47	17.77	17.35	17.85	18.39	18.98	18.45	17.95	17.04	18.94	18.49	19.13
15	17.25	17.54	17.98	17.84	18.30	18.70	18.74	17.60	16.78	18.39	18.93	18.35
20	17.15	17.39	17.84	17.84	18.27	18.55	19.64	17.41	17.10	17.99	19.23	17.84
25	17.06	17.55	17.87	18.59	18.36	18.51	18.94	17.14	18.97	17.94	19.26	18.87
EOM	17.00	17.42	17.56	18.55	18.36	18.61	18.64	16.99	19.52	19.43	19.24	18.29
MEAN	17.36	17.63	17.70	18.12	18.40	18.74	18.88	17.67	17.56	18.75	18.98	18.69
MAX	18.27	18.51	18.29	19.01	18.61	19.48	19.71	18.77	19.52	19.84	19.48	19.53
MIN	16.98	17.02	17.27	17.81	18.27	18.40	18.36	16.99	16.67	17.84	18.14	17.73

WTR YR 1989 MEAN 18.20 MAX 19.84 JUL 2 MIN 16.67 JUN 18

WELL NUMBER.--263807081430301. Local Number L 1968.

LOCATION.--Lat 26°38'07", long 81°43'03", in SW¼NE¼ sec.21, T.44 S., R.26 E., Hydrologic Unit 03090205, at intersection of Benton Road and Gunnery Road, and 4.8 mi northwest of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 165 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land surface datum is 23.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.01 ft NGVD, Sept. 27, 1979; lowest measured, 14.45 ft NGVD, Apr. 29, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	1350	18.79	24...	0945	15.94
25...	1410	16.80	MAY		
NOV			30...	1445	14.95
28...	1330	17.30	JUN		
DEC			28...	1320	18.04
29...	1415	16.29	JUL		
JAN			26...	1430	20.42
25...	1330	16.54	AUG		
FEB			28...	1340	20.01
21...	1510	15.17			
MAR					
27...	1405	15.55			

LEE COUNTY

WELL NUMBER.--263813081552801. Local Number L 2640.

LOCATION.--Lat 26°38'13", long 81°55'28", in NE¼NE¼ sec.20, T.44 S., R.24 E., Hydrolgic Unit 03090205, at intersection of Hunter Boulevard and Brikdale Avenue and 5.2 mi north of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 128 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.94 ft below NGVD, Sept. 5, 1978; lowest measured, 42.89 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0718	-23.43	13...	1040	-34.72
24...	0736	-30.45	24...	0800	-30.15
NOV			MAY		
15...	0800	-30.63	02...	0915	-30.06
29...	0710	-25.00	15...	0845	-34.96
DEC			30...	1045	-36.37
12...	0830	-26.16	JUN		
28...	0820	-24.26	12...	0730	-36.52
JAN			27...	0705	-25.38
09...	0830	-25.94	JUL		
25...	0650	-26.57	10...	0800	-15.94
FEB			24...	0655	-17.69
13...	0800	-27.86	AUG		
23...	0810	-29.11	14...	0735	-18.43
			30...	0755	-16.34

LEE COUNTY

WELL NUMBER.--263813081552802. Local Number L 3203.

LOCATION.--Lat 26°38'13", long 81°55'28", in NE¼NE¼ sec.20, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median of Hunter Boulevard SE, 100 ft northwest of Brickdale, and 4.8 mi northeast of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1976 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft NGVD, Feb. 28, 1983; lowest measured, 0.45 ft NGVD, Aug. 31, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
03...	0718	4.23
24...	0735	4.04
NOV		
29...	0710	4.30
DEC		
28...	0820	4.23
JAN		
25...	0650	4.52
FEB		
23...	0811	4.10
MAR		
29...	0655	4.08
APR		
24...	0800	4.35
MAY		
02...	0920	4.08
30...	1045	4.20
JUN		
27...	0705	5.57
JUL		
24...	0655	4.97
AUG		
30...	0755	4.78

LEE COUNTY

WELL NUMBER.--263814082020701. Local Number L 1058.

LOCATION.--Lat 26°38'14", long 82°02'07", in SW¼SW¼ sec.17, T.44 S., R.23 E., Hydrologic Unit 03100103, at Pine Island Water Plant on State Highway 78, 0.3 mi east of Burnstore Road, and 2.1 mi east of Matlacha Post Office. Owner: Pine Island Water Co.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 146 ft, cased to 95 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage and chalked tape.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 0.50 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping of nearby wells. Well also sampled for water quality.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.3 ft NGVD, Dec. 2, 1964; lowest measured, 1.41 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	0950	5.04	24...	1455	0.84
28...	0930	1.96	MAY		
NOV			30...	1435	-1.41
29...	1130	3.47	JUN		
DEC			28...	0940	0.79
28...	1330	3.51	JUL		
JAN			24...	1030	2.53
25...	1240	2.08	AUG		
FEB			30...	1050	2.48
23...	1205	0.65			
MAR					
29...	1030	1.09			

WELL NUMBER.--263819081585801. Local Number L 2701.

LOCATION --Lat 26°38'19", long 81°58'58", in SE¼SW¼ sec.14, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Nicholas Parkway West, at the intersection of 4th Terrace, and 5.3 mi northwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 175 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 13.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 29 - Jan. 24, Mar. 7-13, 1989 water year.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.81 ft below NGVD, Sept. 11, 1986; lowest, 31.62 ft below NGVD, June 11, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-12.73	-21.79	-17.22	-17.71	-18.28	-18.57	-21.50	-22.11	-28.18	-19.73	-17.89	-16.33
10	-13.84	-20.49	-17.35	-18.28	-17.93	-17.85	-21.52	-23.94	-31.35	-18.59	-18.91	-15.14
15	-15.99	-19.87	-16.89	-18.89	-18.95	-18.41	-21.66	-24.80	-28.59	-17.86	-19.18	-14.74
20	-18.16	-20.35	-16.72	-18.88	-19.70	-19.25	-21.77	-24.95	-27.02	-18.83	-18.76	-15.47
25	-20.94	-19.41	-16.97	-18.36	-19.47	-19.56	-21.99	-25.26	-24.42	-20.04	-18.53	-15.79
EOM	-22.23	-17.84	-16.90	-17.74	-19.54	-21.01	-22.69	-25.75	-22.68	-18.39	-18.07	-15.31
MEAN	-16.72	-20.33	-17.04	-18.26	-18.83	-19.13	-21.68	-24.29	-27.18	-19.28	-18.58	-15.65
MAX	-12.61	-17.84	-16.43	-17.28	-17.70	-17.75	-20.63	-21.95	-22.68	-17.84	-17.82	-14.69
MIN	-22.32	-22.22	-17.75	-19.21	-20.00	-21.25	-22.69	-25.99	-31.62	-22.10	-19.85	-17.33

WTR YR 1989 MEAN -19.74 MAX -12.61 OCT 1 MIN -31.62 JUN 11

LEE COUNTY

WELL NUMBER.--263819081585802. Local Number L 3211.

LOCATION.--Lat 26°38'19", long 81°58'58", in SE¼SW¼ sec.14, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Nicholas Parkway West, at the intersection of 4th Terrace, and 5.3 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18.5 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.53 ft NGVD, Feb. 28, 1983; lowest measured, 5.20 ft NGVD, Feb. 25, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1120	6.53	29...	0945	6.32
24...	1255	6.33	APR		
NOV			24...	1240	6.24
29...	1030	6.36	MAY		
DEC			02...	0950	5.95
28...	1200	6.33	30...	1340	6.39
JAN			JUN		
25...	1145	6.69	27...	0950	7.47
FEB			AUG		
23...	1105	6.29	30...	1000	7.49

WELL NUMBER.--263834082005301. Local Number L 781.

LOCATION.--Lat 26°38'34", long 82°00'53", in NW¼SW¼ sec.16, T.44 S., R.23 E., Hydrologic Unit 03100103, 0.4 mi north of State Highway 78, and 3.5 mi northeast of Matlacha Post Office. Owner: Pine Island Water Co.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age , Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 290 ft, cased to 82 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.30 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Oct. 1-5, Mar. 4-8, May 9-29, 1989 water year.

PERIOD OF RECORD.--June 1966 (monthly), October 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.8 ft NGVD, June 27, 1966; lowest, 38.34 ft below NGVD, Apr. 28, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-8.80	-15.26	-7.69	-17.95	-20.64	-16.20	-21.73	-15.32	-24.76	-10.92	-13.31	-6.00
10	-10.23	-9.72	-11.01	-19.33	-25.33	-11.60	-20.58	-21.60	-22.60	-15.91	-12.08	-5.23
15	-13.29	-10.60	-8.62	-19.65	-25.64	-13.76	-18.68	-19.12	-22.14	-9.01	-15.94	-4.99
20	-20.18	-11.46	-7.75	-21.11	-21.31	-15.46	-14.52	-22.41	-19.54	-12.52	-11.26	-8.46
25	-23.07	-7.54	-15.15	-16.00	-18.72	-15.30	-21.40	-23.01	-15.94	-10.46	-13.46	-8.79
EOM	-20.14	-8.86	-12.61	-16.70	-20.46	-21.59	-18.10	-23.31	-12.51	-8.90	-8.42	-6.73
MEAN	-15.47	-11.26	-10.40	-18.73	-22.16	-16.78	-19.71	-20.58	-19.70	-10.59	-11.69	-6.91
MAX	-7.00	-6.96	-6.13	-15.33	-16.44	-11.60	-13.75	-15.04	-12.51	-8.90	-7.34	-3.86
MIN	-23.07	-22.15	-15.71	-25.52	-26.13	-24.95	-24.92	-27.79	-25.19	-15.91	-18.88	-11.71

WTR YR 1989 MEAN -15.29 MAX -3.86 SEP 14 MIN -27.79 MAY 28

LEE COUNTY

WELL NUMBER.--263852081514802. Local Number L 5707.

LOCATION.--Lat 26°38'52", long 81°51'48", in SW¼NE¼ sec.13, T.44 S., R.24 E., Hydrologic Unit 03090205, at 338 1st Street, Ft. Myers, 0.75 mi west of Ft. Myers Post Office. Owner: Walter Johnson.

AQUIFER.--Mid-Hawthorne aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 188 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. coupling, 0.50 ft below land surface datum (revision).

REMARKS.--Well also sampled for water quality. Well destroyed May 1989.

PERIOD OF RECORD.--February 1984 to April 1989.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.8 ft NGVD, Sept. 28, 1984; lowest measured, 2.17 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JAN		
04...	1530	4.12	09...	1230	4.07
31...	1030	3.08	25...	0745	4.21
NOV			FEB		
15...	1400	4.02	13...	1130	2.99
DEC			23...	0800	2.37
01...	1200	5.07	MAR		
02...	1200	4.70	13...	1415	4.47
12...	1415	4.17	30...	0800	2.17
29...	0800	4.26	APR		
			13...	0840	2.23
			26...	0800	3.81

WELL NUMBER.--263903081550401. Local Number L 954.

LOCATION.--Lat 26°39'03", long 81°55'04", in NE¼NW¼ sec.16, T.44 S., R.24 E., Hydrologic Unit 03090205, 0.1 mi south of Hancock Bridge Parkway, 0.1 mi west of Orange Grove Boulevard, and 2.5 mi southwest of North Fort Myers Post Office. Owner: Florida Cities Water Co.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 8.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 28-29, 1989 water year.

PERIOD OF RECORD.--August 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.68 ft NGVD, Sept. 8, 9, 1981; lowest, 2.18 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.66	1.65	.58	-0.48	-0.72	-0.72	-1.23	-1.07	-0.84	4.83	4.70	4.75
10	2.37	1.23	.10	-0.59	-0.90	-0.57	-1.34	-1.32	-1.03	4.14	4.17	4.22
15	1.87	.74	.20	-0.56	-0.87	-0.65	-1.26	-1.49	-1.27	4.03	3.70	3.65
20	1.50	.47	.04	-1.02	-1.13	-0.81	-1.03	-0.44	-0.61	3.46	5.70	3.33
25	.78	.38	.02	-0.54	-1.04	-0.95	-0.84	-0.42	1.37	3.75	4.88	3.44
EOM	.52	.39	-0.23	-0.59	-1.22	-1.17	-0.70	-0.64	4.07	5.04	4.42	3.03
MEAN	1.72	.78	.16	-0.57	-0.93	-0.83	-1.10	-0.89	-0.11	4.30	4.59	3.80
MAX	2.86	1.65	.58	-0.26	-0.61	-0.54	-0.70	-0.35	4.07	5.57	5.70	4.75
MIN	.52	.28	-0.24	-1.02	-1.22	-1.27	-1.39	-1.49	-1.30	3.26	3.58	3.03

WTR YR 1989 MEAN .93 MAX 5.70 AUG 20 MIN -1.49 MAY 15

LEE COUNTY

WELL NUMBER.--263907081592701. Local Number L 2528.

LOCATION.--Lat 26°39'07", long 81°59'27", in SW¼SW¼ sec.11, T.44 S., R.23 E., Hydrologic Unit 03100103, 100 ft northeast of intersection of Embers Parkway and Nelson Road NW and 6.8 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 420 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 11.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.4 ft NGVD, Feb. 26, 1986; lowest measured, 32.0 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
06...	0920	35.00	24...	1420	33.20
27...	1410	34.60	MAY		
NOV			16...	1100	33.00
29...	1105	35.00	30...	1410	32.00
DEC			JUN		
28...	1245	34.40	28...	0915	33.60
JAN			AUG		
25...	1215	34.20	15...	0830	34.20
FEB			30...	1030	34.30
23...	1145	34.00	SEP		
MAR			14...	0950	35.40
29...	1010	34.00			

WELL NUMBER.--263850081365401. Local Number L 727.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersection of State Highway 80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 68 ft, cased to 67 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 21.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 1-5, Oct. 14-16, Nov. 18 - Dec. 1, 1989 water year.

PERIOD OF RECORD.--July 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.53 ft NGVD, Mar. 30, 1970; lowest, 12.98 ft NGVD, Mar. 2, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.08	14.53	14.93	14.02	13.88	13.22	13.63	13.98	13.00	15.87	16.33	16.34
10	14.93	15.03	14.91	13.86	13.67	13.81	13.49	13.90	13.16	16.00	16.41	16.23
15	14.73	15.06	14.83	13.74	13.54	14.01	13.40	13.69	13.52	15.83	16.66	16.03
20	14.60	14.89	14.86	13.87	13.40	14.10	13.87	13.51	13.79	15.62	16.55	15.82
25	14.47	14.87	14.55	14.03	13.32	13.99	14.05	13.41	14.50	15.70	16.86	15.95
EOM	14.14	14.97	14.19	14.11	13.07	13.78	13.82	13.15	15.23	16.20	16.66	16.44
MEAN	14.71	14.83	14.76	13.95	13.58	13.77	13.70	13.64	13.71	15.83	16.56	16.1-
MAX	15.15	15.08	14.96	14.11	14.11	14.11	14.05	13.98	15.23	16.20	16.86	16.56
MIN	14.14	14.11	14.19	13.74	13.07	12.98	13.35	13.15	12.99	15.35	16.22	15.75

WTR YR 1989 MEAN 14.61 MAX 16.86 AUG 24 AND OTHERS MIN 12.98 MAR 2

LEE COUNTY

WELL NUMBER.--263950081355401. Local Number L 2187.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersecton of State Highway 80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 154 ft, cased to 136 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.88 ft NGVD, Sept. 27, 1979; lowest measured, 12.82 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1055	14.82	26...	1330	13.78
28...	1410	14.03	MAY		
NOV			30...	1100	13.00
30...	0840	14.81	JUN		
DEC			29...	1220	15.15
29...	1230	14.07	JUL		
JAN			26...	0920	15.72
25...	1200	13.90	AUG		
FEB			28...	1130	16.66
23...	1150	13.15			
MAR					
30...	1115	13.58			

WELL NUMBER.--263950081355402. Local Number L 1137.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersection of State Highway 80 and Joel Blvd and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 21.72 above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.42 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 29 - July 2, 1989 water year.

PERIOD OF RECORD.--June 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.03 ft NGVD, Oct. 15, 1983; lowest, 15.66 ft NGVD, June 7, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.23	16.26	17.38	16.84	16.50	16.74	16.58	17.21	16.07	19.87	19.31	19.60
10	18.65	16.71	17.24	16.74	16.43	16.77	16.52	16.98	16.22	19.22	21.26	19.30
15	18.35	16.96	17.17	16.61	16.34	16.66	16.61	16.75	16.89	18.98	19.92	18.92
20	18.05	17.17	17.06	16.51	16.27	16.78	16.99	16.55	17.12	18.76	20.30	19.07
25	17.85	17.36	16.97	16.80	16.18	16.66	16.89	16.41	18.65	19.18	21.34	20.81
EOM	17.55	17.55	16.92	16.65	16.14	16.43	16.98	16.23	19.90	20.08	19.94	19.71
MEAN	18.34	17.10	17.16	16.70	16.36	16.65	16.71	16.74	17.22	19.43	20.19	19.53
MAX	19.38	17.69	17.53	16.90	16.62	16.79	17.03	17.24	19.90	20.59	21.37	20.91
MIN	17.49	16.26	16.92	16.48	16.14	16.11	16.44	16.23	15.98	18.73	19.07	18.80

WTR YR 1989 MEAN 17.69 MAX 21.37 AUG 24 MIN 15.98 JUN 9

LEE COUNTY

WELL NUMBER.--263955082083101. Local Number L 2527.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 360 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.14 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.2 ft NGVD, Sept. 30, 1981; lowest measured, 14.0 ft NGVD, Sept. 14, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1025	25.10	25...	0815	22.90
28...	1010	24.10	MAY		
NOV			16...	1120	23.30
29...	1145	24.30	30...	1455	22.50
DEC			JUN		
28...	1400	23.90	28...	1010	23.50
JAN			JUL		
25...	1305	24.70	24...	1045	23.70
FEB			AUG		
23...	1230	23.20	30...	1110	24.60
MAR			SEP		
29...	1055	23.70	14...	1010	14.00

LEE COUNTY

WELL NUMBER.--263955082083102. Local Number L 2820.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767, and 3.0 mi southwest of Bokeelia Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 241 ft, cased to 192 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.6 ft NGVD, Nov. 26, 1985; lowest measured, 13.0 ft NGVD, Mar. 30, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1025	14.80	25...	0815	13.60
28...	1005	15.50	MAY		
NOV			16...	1125	14.20
29...	1145	14.40	30...	1455	13.20
DEC			JUN		
28...	1400	14.50	28...	1010	13.60
JAN			JUL		
25...	1305	14.30	24...	1045	14.20
FEB			AUG		
23...	1230	14.00	30...	1110	14.40
MAR			SEP		
29...	1055	13.80	14...	1010	14.40

LEE COUNTY

WELL NUMBER.--263955082083103. Local Number L 2549.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 4 in., depth 80 ft, cased to 58 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Record of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.38 ft NGVD, Mar. 31, 1987; lowest measured, 3.33 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1020	6.38	25...	0815	4.06
28...	1000	5.65	MAY		
NOV			30...	1455	3.33
29...	1145	6.18	JUN		
DEC			28...	1005	3.76
28...	1400	5.38	JUL		
JAN			24...	1045	4.93
25...	1305	5.67	AUG		
FEB			30...	1110	6.57
23...	1225	4.72			
MAR					
29...	1055	4.67			

LEE COUNTY

WELL NUMBER.--263955082083104. Local Number L 3214.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.22 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.33 ft NGVD, Mar. 31, 1987; lowest measured, 3.39 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1020	6.49	25...	0815	4.10
28...	0955	5.69	MAY		
NOV			30...	1455	3.39
29...	1145	6.23	JUN		
DEC			28...	1000	3.86
28...	1400	5.41	JUL		
JAN			24...	1045	5.44
25...	1305	5.70	AUG		
FEB			30...	1110	6.62
23...	1225	4.75			
MAR					
29...	1055	4.71			

LEE COUNTY

WELL NUMBER.--264002082012801. Local Number L 2700.

LOCATION.--Lat 26°40'02", long 82°01'28", in SE¼SE¼ sec.5, T.44 S., R.23 E., Hydrologic Unit 03100103, at intersection of Tropicana Parkway and NW 24th Place and 3.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 167 ft, cased to 165 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.0 ft NGVD, Sept. 27, 1979; lowest measured, 8.05 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1125	11.60	13...	1335	9.28
27...	1405	10.75	25...	0930	9.26
NOV			MAY		
15...	1200	10.70	15...	1135	8.75
29...	1245	10.00	30...	1550	8.05
DEC			JUN		
12...	1130	10.40	12...	0955	8.59
28...	1500	9.70	28...	1050	8.83
JAN			JUL		
09...	1140	10.00	10...	1100	9.47
25...	1350	9.80	24...	1130	9.64
FEB			AUG		
13...	1100	9.80	14...	0925	9.74
23...	1315	11.20	30...	1150	10.04
MAR					
29...	1140	9.39			

LEE COUNTY

WELL NUMBER.--264002082012802. Local Number L 3210.

LOCATION.--Lat 26°40'02", long 82°01'28", in SE¼SE¼ sec.5, T.44 S., R.23 E., Hydrologic Unit 03100103, at intersection of Tropicana Parkway and NW 24th Place and 3.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 0.75 in., depth 18.5 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.84 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.80 ft NGVD, July 24, 1989; lowest measured, 0.65 ft NGVD, Apr. 30, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1125	4.43	25...	1100	3.12
27...	1400	3.79	MAY		
NOV			30...	1550	2.21
29...	1245	4.19	JUN		
DEC			28...	1050	4.80
28...	1500	4.33	JUL		
JAN			24...	0930	7.80
25...	1350	4.60	24...	1130	4.54
FEB			AUG		
23...	1315	3.69	30...	1150	5.23
MAR					
29...	1140	3.44			

LEE COUNTY

WELL NUMBER.--264053081572501. Local Number L 4820.

LOCATION.--Lat 26°40'53", long 81°57'25", in NW¼NW¼ sec.6, T.44 S., R.24 E., Hydrologic Unit 03090205, at the corner of Andalusia Boulevard and East Diplomat Parkway, and 4.5 mi northwest of North Ft. Myers Post Office. Owner: Florida City Water Co.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 190 ft, cased to 128 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.15 ft NGVD, Sept. 28, 1984; lowest measured, 10.06 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1440	-2.80	13...	1345	-7.52
28...	0845	-5.67	24...	1335	-7.78
NOV			MAY		
15...	1330	-5.73	15...	1200	-10.01
29...	1055	-5.64	30...	1400	-10.06
DEC			JUN		
12...	1215	-5.85	12...	1000	-9.89
28...	1245	-6.43	28...	0910	-8.35
JAN			JUL		
09...	1210	-7.21	10...	1115	-6.23
25...	1210	-7.12	AUG		
FEB			14...	0905	-5.39
13...	1115	-7.23	30...	1020	-4.36
23...	1135	-7.58			
MAR					
29...	1000	-7.06			

LEE COUNTY

WELL NUMBER.--264101081443001. Local Number L 652.

LOCATION.--Lat 26°41'01", long 81°44'30", in NW¼NW¼ sec.5, T.44 S., R.26 E., Hydrologic Unit 03090205, at J. Hudson House, on Orange River Loop Road, and 8.5 mi northeast of Fort Myers Post Office. Owner: J.L. Hudson.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in., depth 598 ft, cased to 188 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. plug, 2.01 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1967 to October 1969 (semiannually), February 1970 to August 1971 (quarterly), October 1971 to December 1974 (bimonthly), January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.5 ft NGVD, Sept. 1, 1988; lowest measured, 38.0 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
05...	0750	37.90	16...	1040	43.60
NOV			30...	0815	42.30
28...	1340	47.30	JUN		
DEC			29...	0830	41.80
29...	0830	44.30	JUL		
JAN			26...	1210	43.60
25...	0820	44.30	AUG		
FEB			28...	0800	45.30
23...	0830	43.30	SEP		
MAR			14...	0845	45.30
30...	0830	43.80			
APR					
26...	0840	43.80			

LEE COUNTY

WELL NUMBER.--264144081520301. Local Number L 2190.

LOCATION.--Lat 26°41'44", long 81°52'03", in NE¼NW¼ sec.36, T.43 S., R.24 E., Hydrologic Unit 03090205, 0.6 mi north of intersection of Hart Road and State Highway 78, and 2.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 110 ft, cased to 71 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.20 ft NGVD, Sept. 27, 1979; lowest measured, 0.80 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1400	4.90	25...	1125	2.44
27...	1200	3.24	MAY		
NOV			30...	1640	0.80
29...	1400	3.93	JUN		
DEC			28...	0850	1.68
28...	1630	3.62	JUL		
JAN			24...	1230	4.19
25...	1455	3.16	AUG		
FEB			30...	1245	5.77
23...	1425	2.62			
MAR					
29...	1245	2.29			

WELL NUMBER.--264144081520302. Local Number L 2191.

LOCATION.--Lat 26°41'44", long 81°52'03", in NE¼NW¼ sec.36, T.43 S., R.24 E., Hydrologic Unit 03090205, 0.6 mi north of intersection of Hart Road and State Highway 78, and 2.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 26 ft, cased to 15 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.83 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.06 ft NGVD, July 29, 1986; lowest measured, 6.40 ft NGVD, Apr. 28, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1410	9.95	25...	1125	7.52
27...	1215	8.72	MAY		
NOV			30...	1640	6.75
29...	1400	8.94	JUN		
DEC			28...	0850	8.46
28...	1630	8.35	JUL		
JAN			24...	1230	10.29
25...	1455	8.30	AUG		
FEB			30...	1245	10.76
23...	1425	7.60			
MAR					
29...	1250	7.85			

LEE COUNTY

WELL NUMBER.--264147081562701. Local Number L 1111.

LOCATION.--Lat 26°41'47", long 81°56'27", in SW¼SW¼ sec.29, T.43 S., R.24 E., Hydrologic Unit 03100103, 1,000 ft northeast of intersection of Del Prado and Kismet Parkway. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 165 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.83 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1970 to current year. Records of water levels prior to October 1984 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.26 ft NGVD, May 15, 1980; lowest, 6.78 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
05...	1430	0.69	16...	1040	-6.50
28...	0830	-3.80	30...	1355	-6.78
NOV			JUN		
29...	1350	-5.26	28...	0905	-6.08
DEC			JUL		
28...	1230	-4.01	24...	0955	-5.71
JAN			AUG		
25...	1200	-3.79	30...	1015	-2.84
FEB			SEP		
23...	1130	-4.03	14...	0920	-1.88
APR					
24...	1325	-4.53			

WELL NUMBER.--264153082022301. Local Number L 721.

LOCATION.--Lat 26°41'53", long 82°02'23", in SW¼SW¼ sec.30, T.43 S., R.23 E., Hydrologic Unit 03100103, on west side of State Highway 765, 4.2 mi north of Pine Island Road and 5.1 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 18 ft, cased to 9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--July 1968 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.58 ft NGVD, Aug. 29, 1977; lowest measured, 0.48 ft NGVD, Apr. 30, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
06...	1140	2.97	29...	1150	1.66
27...	1330	2.30	APR		
NOV			25...	0955	1.59
29...	1255	2.48	JUN		
DEC			28...	1100	3.45
28...	1515	1.83	JUL		
JAN			24...	1135	2.61
25...	1355	2.29	AUG		
FEB			30...	1200	3.88
23...	1322	1.68			

LEE COUNTY

WELL NUMBER.--264308081410001. Local Number L 1907.

LOCATION.--Lat 26°43'08", long 81°41'00", in NE¼SE¼ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, at Lee County Water Plant, and 4.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 57 ft, cased to 55 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1978, land-surface datum was considered to be 7.53 ft NGVD. Measuring point: Top of casing, 0.80 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water levels as elevations, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.1 ft NGVD, present datum, Aug. 28, 1974; lowest measured, 8.23 ft NGVD, May. 30, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0810	11.88	26...	0900	8.78
28...	1440	9.90	MAY		
NOV			30...	0900	9.78
30...	0700	11.58	JUN		
DEC			29...	0845	12.18
29...	0900	8.68	JUL		
JAN			26...	1155	10.83
25...	0840	8.88	AUG		
FEB			28...	0815	12.68
23...	0845	8.58			
MAR					
30...	0840	8.98			

LEE COUNTY

WELL NUMBER.--264308081405402. Local Number L 2530.

LOCATION.--Lat 26°43'08", long 81°40'54", in NE¼SE¼ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, at Lee County Water Plant, 250 ft southeast of water plant intake, and 4.3 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 614 ft, cased to 475 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.4 ft NGVD, Sept 9, 1985; lowest measured, 40.7 ft NGVD, June 28, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	0810	51.10	26...	0920	44.70
28...	1455	49.00	MAY		
NOV			16...	1045	44.40
30...	0700	49.10	30...	0850	45.50
DEC			JUN		
29...	0900	45.70	29...	0850	48.80
JAN			JUL		
25...	0845	46.10	26...	1150	47.70
FEB			AUG		
23...	0845	45.50	28...	0825	50.30
MAR			SEP		
30...	0850	46.10	14...	0900	49.80

LEE COUNTY

WELL NUMBER.--264320081365701. Local Number L 1977.

LOCATION.--Lat 26°43'20", long 81°36'57", in NE¼NE¼ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 300 ft north of intersection of Parkinson Road and State Highway 78, and 0.7 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 185 ft, cased to 65 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.18 ft NGVD, Sept. 1, 1988; lowest measured, 8.35 ft NGVD, Feb. 21, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0830	12.43	24...	1600	9.13
24...	0840	11.82	MAY		
NOV			30...	0910	9.96
29...	0900	12.33	JUN		
DEC			28...	0845	11.54
29...	0815	11.30	JUL		
JAN			26...	0950	12.03
25...	0810	10.97	AUG		
FEB			28...	0850	13.06
21...	1015	8.35			
MAR					
27...	0913	10.60			

LEE COUNTY

WELL NUMBER.--264320081365702. Local Number L 1978.

LOCATION.--Lat 26°43'20", long 81°36'57", in NE¼NE¼ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 300 ft north of intersection of Parkinson Road and State Highway 78, and 0.7 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft NGVD, Nov. 23, 1987; lowest measured, 9.69 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0830	15.15	24...	1600	12.07
24...	0855	14.04	MAY		
NOV			30...	0910	11.50
28...	0905	13.79	JUN		
DEC			28...	0845	13.40
29...	0815	13.15	JUL		
JAN			26...	0955	12.57
25...	0810	12.54	AUG		
FEB			28...	0855	15.70
21...	1015	11.98			
MAR					
27...	0915	12.84			

LEE COUNTY

WELL NUMBER.--264329081340401. Local Number L 2200.

LOCATION.--Lat 26°43'29", long 81°34'04", in NE¼NE¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and State Highway 78, and 2.8 mi northeast of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 163 ft, cased to 122 ft.

INSTRUMENTATION.--Monthly measurement with a chalked tape.

DATUM.--Land-surface datum is 17.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.32 ft NGVD, Sept. 23, 1986; lowest measured, 7.98 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0845	10.01	24...	1540	9.69
24...	0930	10.33	MAY		
NOV			30...	0935	7.98
29...	0930	11.41	JUN		
DEC			28...	0900	10.68
29...	0830	9.89	JUL		
JAN			26...	1000	11.40
25...	0830	10.23	AUG		
FEB			28...	0905	12.60
21...	1030	8.61			
MAR					
27...	0930	9.57			

WELL NUMBER.--264329081340402. Local Number L 2202.

LOCATION.--Lat 26°43'29", long 81°34'04", in NE¼NE¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and State Highway 78, and 2.8 mi northeast of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.94 ft NGVD, Feb. 28, 1983; lowest measured, 10.59 ft NGVD, June 2, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0845	14.61	24...	1540	12.31
24...	0920	13.65	MAY		
DEC			30...	0935	11.49
29...	0830	13.22	JUN		
JAN			28...	0900	13.03
25...	0830	12.91	JUL		
FEB			26...	1005	12.29
21...	1030	12.34	AUG		
MAR			28...	0905	14.13
27...	0930	12.37			

LEE COUNTY

WELL NUMBER.--264359081424701. Local Number L 1975.

LOCATION.--Lat 26°43'59", long 81°42'47", in SE¼NE¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highway 78 and North Olga Drive, and 6.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 168 ft, cased to 102 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.02 ft NGVD, Nov. 29, 1979; lowest measured, 10.07 ft NGVD, May 5, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0820	13.70	24...	1615	11.85
24...	0830	13.12	MAY		
NOV			30...	0840	11.04
29...	0845	13.35	JUN		
DEC			28...	0830	12.73
29...	0800	12.66	JUL		
JAN			26...	0940	13.60
25...	0755	12.51	AUG		
FEB			28...	0840	14.45
21...	1000	10.41			
MAR					
27...	0900	12.09			

LEE COUNTY

WELL NUMBER.--264359081424702. Local Number L 1976.

LOCATION.--Lat 26°43'59", long 81°42'47", in SE¼NE¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highway 78 and North Olga Drive, and 6.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.12 ft NGVD, Sept. 27, 1979; lowest measured, 8.40 ft NGVD, May 26, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0820	12.11	24...	1615	9.79
24...	0815	10.62	MAY		
NOV			30...	0840	9.27
29...	0850	10.87	JUN		
DEC			28...	0835	10.34
29...	0800	10.50	JUL		
JAN			26...	0940	11.81
25...	0755	10.42	AUG		
FEB			28...	0840	12.89
21...	1000	9.64			
MAR					
27...	0900	10.39			

LEE COUNTY

WELL NUMBER.--264425081454001. Local Number L 726.

LOCATION.--Lat 26°44'25", long 81°45'40", in SW¼SW¼ sec.7, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highways 78 and State Highway 31, and 9.4 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 4 in., depth 19 ft, cased to 14 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1968 to December 1974 (bimonthly), January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.06 ft NGVD, Feb. 28, 1983; lowest measured, 9.06 ft NGVD, Apr. 28, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0815	14.04	05...	1535	11.19
24...	0800	12.40	27...	0855	12.10
NOV			APR		
29...	0830	12.49	24...	1620	11.72
DEC			MAY		
29...	0750	12.09	30...	0830	10.77
JAN			JUN		
25...	0750	12.32	28...	0825	13.29
FEB			JUL		
21...	0950	11.36	26...	0935	13.43
			AUG		
			28...	0835	13.61

LEE COUNTY

WELL NUMBER.--264427081362601. Local Number L 2531.

LOCATION.--Lat 26°44'27", long 81°36'26", in SE¼SW¼ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 2 mi north of Alva on Persimon Ridge Road on west side of road. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diamter 4 in., depth 605 ft, cased to 345 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. PVC casing, 1.00 ft above land-surface datum.

REMARKS.--Well is also sampled for water quality.

PERIOD OF RECORD.--March 1978 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.6 ft NGVD, Sept. 1, 1988; lowest measured, 46.2 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0840	53.40	24...	1550	48.80
24...	0900	52.30	MAY		
NOV			16...	1100	48.80
29...	0920	52.50	30...	0930	46.70
DEC			JUN		
29...	0820	52.60	28...	0855	47.90
JAN			JUL		
25...	0820	51.50	26...	1000	48.50
FEB			AUG		
21...	1020	47.60	28...	0900	48.70
MAR			SEP		
27...	0920	48.80	14...	0915	52.70

LEE COUNTY

WELL NUMBER.--264517081513201. Local Number L 2341.

LOCATION.--Lat 26°45'17", long 81°51'32", in NW¼NW¼ sec.7, T.43 S., R.25 E., Hydrologic Unit 03100103, at southeast corner of intersection of Nalle Grade Road and Huber Road, and 6.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 585 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 22.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1976 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.0 ft NGVD, Dec. 27, 1985; lowest measured, 24.2 ft NGVD, Sept. 14, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
05...	1350	46.80	25...	1145	45.60
27...	1130	46.40	MAY		
NOV			16...	1230	47.90
29...	1410	46.50	30...	1650	45.00
DEC			JUN		
28...	1645	47.30	28...	0835	45.70
JAN			JUL		
25...	1505	45.70	24...	1645	45.90
FEB			AUG		
23...	1410	46.00	30...	1255	46.60
MAR			SEP		
29...	1305	45.90	14...	1010	24.20

LEE COUNTY

WELL NUMBER.--264517082022101. Local Number L 1059.

LOCATION.--Lat 26°45'17", long 82°02'21", in NE¼NE¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 8.0 mi north of the intersection of Pine Island Road and State Highway 765, and 8.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 189 ft, cased to 156 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage, and chalked tape.

DATUM.--Land-surface datum is 10.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1970 to December 1974 (bimonthly), January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.9 ft NGVD, Jan. 30, 1980; lowest measured, 11.5 ft NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1210	14.64	25...	1000	12.62
27...	1325	14.24	MAY		
NOV			16...	1230	12.44
29...	1300	13.59	30...	1600	12.36
DEC			JUN		
28...	1530	13.29	28...	1115	12.37
JAN			JUL		
25...	1405	13.09	24...	1145	13.09
FEB			AUG		
23...	1330	12.89	30...	1205	13.69
MAR			SEP		
29...	1155	12.89	14...	0830	14.53

WELL NUMBER.--264517082022102. Local Number L 2526.

LOCATION.--Lat 26°45'17", long 82°02'21", in NE¼NE¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103. on State Highway 765, 8 mi north of State Highway 78, and 8.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.93 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.3 ft NGVD, Nov. 26, 1985; lowest measured, 33.9 ft NGVD, Feb. 28, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1210	41.83	25...	1000	39.83
27...	1300	40.83	MAY		
NOV			16...	1230	38.43
29...	1300	41.83	30...	1600	38.83
DEC			JUN		
28...	1530	41.03	28...	1115	40.03
JAN			JUL		
25...	1405	40.43	24...	1145	41.03
FEB			AUG		
23...	1330	40.43	30...	1205	41.23
MAR			SEP		
29...	1155	40.43	14...	0830	42.43

LEE COUNTY

WELL NUMBER.--264537081552202. Local Number L 2646.

LOCATION.--Lat 26°45'37", long 81°55'22", in NW¼SW¼ sec.4, T.43 S., R.24 E., Hydrologic Unit 03090205, at intersection of Lakeville Drive and Dalewood Road and 6.9 mi northwest of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 220 ft, cased to 170 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.36 ft NGVD, Sept. 28, 1978; lowest measured, 13.93 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1400	17.44	25...	1100	14.00
27...	1235	16.76	MAY		
NOV			16...	1330	14.02
29...	1330	16.48	30...	1630	13.93
DEC			JUN		
28...	1610	15.17	28...	1200	15.27
JAN			JUL		
25...	1435	15.56	24...	1210	16.24
FEB			AUG		
23...	1405	14.76	30...	1225	16.82
MAR			SEP		
29...	1235	14.41	14...	0800	17.05

LEE COUNTY

WELL NUMBER.--264537081552203. Local Number L 3209.

LOCATION.--Lat 26°45'37", long 81°55'22", in NW¼SW¼ sec.4, T.43 S., R.24 E., Hydrologic Unit 03090205, at intersection of Lakeville Drive and Dalewood Road and 6.9 mi northwest of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.07 ft NGVD, Jan. 30, 1980; lowest measured, 13.82 ft NGVD, Nov. 30, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
06...	1400	20.47	25...	1100	17.69
27...	1230	18.83	MAY		
NOV			30...	1630	16.87
29...	1330	18.83	JUN		
DEC			28...	1200	20.16
28...	1610	18.49	JUL		
JAN			24...	1210	19.90
25...	1435	19.23	AUG		
FEB			30...	1225	19.77
23...	1405	18.82			
MAR					
29...	1235	18.24			

LEE COUNTY

WELL NUMBER.--264608081454101. Local Number L 2216.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 150 ft, cased to 130 ft.

INSTRUMENTATION.-Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.42 ft NGVD, Sept. 27, 1979; lowest measured, 14.16 ft NGVD, Apr. 27, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0800	19.06	24...	1630	17.28
24...	0740	18.62	MAY		
NOV			30...	0825	15.83
29...	0820	18.27	JUN		
DEC			28...	0815	17.50
29...	0745	18.09	JUL		
JAN			26...	0930	18.98
25...	0735	17.63	AUG		
FEB			28...	0830	19.90
21...	0945	14.60			
MAR					
27...	0850	17.48			

WELL NUMBER.--264608081454102. Local Number L 2217.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 18 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.75 ft NGVD, Aug. 30, 1977; lowest measured, 20.08 ft NGVD, Apr. 27, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0755	26.04	24...	1630	23.37
24...	0730	23.81	MAY		
NOV			30...	0825	21.90
29...	0815	24.77	JUN		
DEC			28...	0815	23.75
29...	0745	24.20	JUL		
JAN			26...	0925	25.58
25...	0735	24.81	AUG		
FEB			28...	0820	25.94
21...	0950	22.93			
MAR					
27...	0850	24.29			

LEE COUNTY

WELL NUMBER.--264608081454103. Local Number L 2328.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 600 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 26.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.-- September 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.5 ft NGVD, July 31 and Oct. 31, 1979; lowest measured, 46.5 ft NGVD, Feb. 28 and June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
04...	0805	52.50	24...	1630	49.40
24...	0750	51.50	MAY		
NOV			16...	1200	49.70
29...	0815	50.90	30...	0820	48.00
DEC			JUN		
29...	0745	51.80	28...	0810	48.90
JAN			JUL		
25...	0745	51.90	26...	0925	50.50
FEB			AUG		
21...	0945	48.70	28...	0815	50.50
MAR			SEP		
27...	0845	48.70	14...	0945	53.20

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
LEE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
262513081432601	L -5667	26 25 13 N	081 43 26 W	05-10-89	12.92
262513081432902	L -5666	26 25 13 N	081 43 29 W	05-10-89	3.62
263115081483501	L -5641	26 31 15 N	081 48 35 W	05-16-89	50.60
				09-14-89	53.40
263124081521401	L -1089	26 31 24 N	081 52 14 W	10-26-88	-22.62
				11-16-88	-22.01
				11-30-88	-19.28
				12-12-88	-20.18
				12-27-88	-22.55
				01-09-89	-23.85
				01-25-89	-26.10
				02-13-89	-28.50
				02-24-89	-28.80
				03-30-89	-26.04
				04-13-89	-30.12
				04-28-89	-27.50
				05-15-89	-32.50
				05-30-89	-31.65
				06-12-89	-29.67
				06-28-89	-23.60
				07-10-89	-16.55
				07-25-89	-13.70
				08-14-89	-12.89
				08-28-89	-11.25
263242081572101	L -2244	26 32 42 N	081 57 21 W	10-25-88	-30.52
				11-15-88	-31.01
				12-02-88	-25.89
				12-12-88	-27.79
				12-28-88	-29.82
				01-09-89	-30.62
				01-25-89	-29.76
				02-13-89	-32.22
				02-23-89	-32.81
				03-13-89	-27.27
				04-13-89	-33.85
				04-24-89	-32.61
				05-15-89	-36.77
				05-30-89	-37.14
				06-12-89	-37.76
				06-27-89	-32.40
				07-10-89	-20.72
				07-24-89	-19.53
				08-14-89	-17.47
				08-30-89	-19.31
263315081524201	L -1156	26 33 15 N	081 52 42 W	10-26-88	-55.63
				04-25-89	-51.88
263323081535301	L -1129	26 33 23 N	081 53 53 W	10-26-88	-35.37
				11-15-88	-34.83
				11-30-88	-30.24
				12-12-88	-30.54
				12-27-88	-31.49
				01-09-89	-33.97
				01-26-89	-34.29
				02-13-89	-35.27
				02-24-89	-36.12
				03-29-89	-34.73
				04-13-89	-36.01
				04-28-89	-37.39
				05-15-89	-40.29
				05-30-89	-39.64
				06-12-89	-38.01
				06-28-89	-33.89
				07-10-89	-24.69
				07-25-89	-20.77

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
263438081563201	L -1117	26 34 38 N	081 56 32 W	10-28-88	-35.99
263438081563201	L -1117	26 34 38 N	081 56 32 W	04-24-89	-35.44
263526082010201	L -2434	26 35 26 N	082 01 02 W	10-03-88	8.80
				10-24-88	-5.45
				11-29-88	7.97
				12-28-88	6.47
				01-25-89	10.37
				02-23-89	6.51
				03-29-89	7.42
				04-24-89	-0.26
				05-16-89	-13.92
				05-30-89	-3.09
				06-27-89	7.38
				07-24-89	1.51
				08-30-89	1.08
				09-14-89	3.90
263630081375301	L -1418	26 36 30 N	081 37 53 W	03-10-89	13.61
				03-30-89	12.27
				04-26-89	13.31
				05-30-89	11.60
				06-29-89	16.51
				07-26-89	16.55
				08-28-89	16.71
263720081573101	L -1114	26 37 20 N	081 57 31 W	10-25-88	-30.37
				04-24-89	-33.14
263905081572801	L -1115	26 39 05 N	081 57 28 W	10-25-88	-13.97
				04-24-89	-17.60
264053081563201	L -1099	26 40 53 N	081 56 32 W	10-25-88	-51.60
				04-24-89	-53.67
264054081592601	L -1106	26 40 54 N	081 59 26 W	10-25-88	7.27
				04-24-89	4.81
264055081583101	L -1109	26 40 55 N	081 58 31 W	10-25-88	3.39
				04-24-89	1.05
264120082022101	L -1113	26 41 12 N	082 02 21 W	10-27-88	13.55
				04-25-89	11.65
				05-16-89	11.73
				09-14-89	12.55
264144081582601	L -1108	26 41 44 N	081 58 26 W	10-25-88	6.74
				04-24-89	4.37
				05-16-89	2.96
				09-14-89	6.32
264146081592301	L -1107	26 41 46 N	081 59 23 W	10-25-88	8.28
				04-24-89	6.22
				05-16-89	5.43
				09-14-89	7.87
264241081582401	L -1110	26 42 41 N	081 56 24 W	10-25-88	8.30
				04-24-89	8.57
				05-16-89	6.07
				09-14-89	12.14

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261859081481901	L -5726	26 18 59 N	081 48 19 W	10-27-88	485	10
				04-27-89	360	10
261859081481902	L -5727			10-26-88	1490	300
				11-15-88	1060	320
				11-30-88	1550	320
				12-12-88	1650	340
				12-29-88	3340	900
				01-09-89	1790	380
				01-25-89	4290	1100
				02-13-89	1580	330
				02-23-89	1470	290
				03-13-89	4240	1100
				03-30-89	1550	340
				04-13-89	2110	460
				04-27-89	1700	340
				05-15-89	1560	300
				06-02-89	1470	320
				06-12-89	4210	1100
				06-27-89	1580	290
				07-10-89	1520	300
261900081454601	L -5744	26 19 00 N	081 45 46 W	10-26-88	546	8.0
				04-27-89	700	12
261900081454602	L -5745			10-26-88	1080	120
				11-15-88	1110	150
				11-28-88	946	120
				12-12-88	1000	130
				12-29-88	952	120
				01-09-89	998	130
				01-25-89	1010	120
				02-13-89	995	120
				02-23-89	1010	120
				03-13-89	1000	120
				03-30-89	1010	120
				04-13-89	1040	120
				04-27-89	1030	120
				05-15-89	1040	120
				06-01-89	1020	120
				06-12-89	1060	120
				06-30-89	1040	120
				07-10-89	1050	120
261946081490301	L -5724	26 19 46 N	081 49 03 W	10-27-88	1090	180
				04-27-89	1040	160
261946081490302	L -5725			10-27-88	2020	520
				11-15-88	2320	600
				11-30-88	2140	620
				12-12-88	2470	620
				12-29-88	3020	840
				01-09-89	2590	640
				01-25-89	2440	600
				02-13-89	2430	580
				02-23-89	3870	980
				03-30-89	2640	640
				04-13-89	3560	860
				05-15-89	2900	680
				06-02-89	2510	610
				06-12-89	3470	840
				06-27-89	2820	680
				07-10-89	2540	620
261954081410101	L -1996	26 19 54 N	081 41 01 W	10-26-88	566	36
				04-25-89	600	40
261954081410102	L -1997			10-26-88	527	32
				04-25-89	600	46

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261954081432201	L -2198	26 19 54 N	081 43 22 W	10-26-88	942	90
				04-25-89	780	92
261957081432201	L -2194	26 19 57 N	081 43 22 W	10-26-88	904	90
261957081432201	L -2194	26 19 57 N	081 43 22 W	04-25-89	940	92
261957081432202	L -2195			10-26-88	543	34
				04-25-89	560	34
262022081464201	L - 738	26 20 22 N	081 46 42 W	10-26-88	1470	280
				11-16-88	1490	260
				11-28-88	1250	260
				12-12-88	1470	260
				12-29-88	1420	260
				01-09-89	1410	290
				01-25-89	1520	260
				02-13-89	1450	250
				02-23-89	1480	260
				03-30-89	1660	280
				04-27-89	1550	270
				05-15-89	1520	280
				06-01-89	1590	320
				06-12-89	1390	280
				06-30-89	1440	260
				07-10-89	1520	300
262022081464202	L -2310			10-26-88	9490	2600
				04-27-89	9930	2600
262034081464701	L - 346	26 20 34 N	081 46 47 W	10-26-88	6950	1800
				04-27-89	7090	1800
262042081455001	L -1691	26 20 42 N	081 45 50 W	10-26-88	799	76
				11-16-88	657	76
				11-28-88	540	74
				12-12-88	580	72
				01-25-89	806	80
				02-13-89	696	74
				02-23-89	809	78
				03-31-89	815	74
				04-13-89	762	74
				04-27-89	820	78
				06-01-89	643	72
				06-12-89	561	62
				06-30-89	526	72
				07-10-89	543	74
262102081464401	L -5722	26 21 02 N	081 46 44 W	10-26-88	815	60
				04-27-89	880	70
262102081464402	L -5723			10-26-88	891	96
				02-23-89	2950	560
				03-31-89	888	90
				04-27-89	890	90
				05-15-89	900	96
				06-12-89	910	94
				07-10-89	900	96
262258081471801	L -5746	26 22 58 N	081 47 18 W	10-26-88	463	10
				04-27-89	550	18

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
262258081471802	L -5747			10-26-88	879	100
				11-16-88	923	110
				11-28-88	845	110
				12-12-88	898	110
				12-29-88	914	120
				01-09-89	866	110
				01-25-89	901	110
				02-13-89	914	110
				02-23-89	876	100
				03-13-89	890	100
				03-31-89	968	120
				04-13-89	946	110
				04-27-89	930	110
				05-15-89	950	120
				06-01-89	923	120
				06-12-89	970	120
				06-30-89	968	120
262258081471802	L -5747	26 22 58 N	081 47 18 W	07-10-89	960	120
262351081485401	L -5730	26 23 51 N	081 48 54 W	10-26-88	695	60
				04-27-89	650	54
262351081485402	L -5731			10-26-88	821	100
				11-16-88	850	110
				11-28-88	775	110
				12-12-88	825	110
				12-29-88	778	110
				01-09-89	767	100
				01-25-89	818	100
				02-13-89	829	100
				02-23-89	823	100
				03-13-89	820	100
				03-31-89	839	100
				04-13-89	831	100
				04-29-89	830	100
				05-15-89	840	98
				06-01-89	815	100
				06-12-89	844	110
				06-30-89	845	100
				07-10-89	842	100
262435081535001	L -1635	26 24 35 N	081 53 50 W	10-24-88	4420	1200
				04-28-89	4670	1200
262435081535101	L -1634	26 24 35 N	081 53 51 W	10-24-88	5200	1400
				04-28-89	5090	1400
262511081471801	L -5669	26 25 11 N	081 47 18 W	10-26-88	669	64
				04-27-89	710	82
262513081432601	L -5667	26 25 13 N	081 43 26 W	05-10-89	631	32
262513081432902	L -5666	26 25 13 N	081 43 29 W	05-10-89	920	110
262513081471802	L -5668	26 25 13 N	081 47 18 W	10-26-88	2240	540
				04-27-89	2260	530
262514081393401	L -5665	26 25 14 N	081 39 34 W	10-26-88	553	30
				04-28-89	570	28
262514081393402	L -5664			10-26-88	623	34
				04-28-89	643	32
262538082045701	L - 588	26 25 38 N	082 04 57 W	04-27-89	4680	1400
262547082051201	L - 590	26 25 48 N	082 05 10 W	10-24-88	4180	1200
				04-27-89	4140	1200
262549082035301	L -1403	26 25 49 N	082 03 53 W	10-24-88	2310	600
				04-27-89	4260	1100
262552081485701	L - 741	26 25 52 N	081 48 57 W	10-26-88	936	210
				04-27-89	740	140

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
262552081485702	L -2295			10-26-88	2390	460
				04-27-89	2400	450
262552081485703	L -2308			10-26-88	505	14
				04-27-89	530	14
262622082022001	L -1456	26 26 22 N	082 02 20 W	10-24-88	5050	1300
				04-27-89	5060	1300
262622082022002	L -1457			10-24-88	487	52
				04-27-89	540	42
262622082074401	L -2524	26 26 22 N	082 07 44 W	10-24-88	2710	460
				04-27-89	2780	460
262657081443501	L - 739	26 26 57 N	081 44 35 W	10-26-88	601	30
				04-22-89	620	30
262659081382501	L -2192	26 26 59 N	081 38 25 W	10-26-88	733	62
				04-28-89	756	62
262703081340201	L - 731	26 27 03 N	081 34 02 W	10-26-88	203	8.0
				04-28-89	226	26
262703081340202	L -1138			10-26-88	410	44
				04-28-89	413	46
262703081340203	L -2313			10-26-88	4430	1000
				04-28-89	4590	1100
262706081435401	L -1853	26 27 06 N	081 43 54 W	10-26-88	1540	320
				04-27-89	1580	310
262710082005301	L - 585	26 27 08 N	082 00 54 W	10-24-88	4760	1500
262710082005301	L - 585	26 27 08 N	082 00 54 W	04-27-89	4930	1500
262713081414601	L -1984	26 27 13 N	081 41 46 W	10-26-88	675	50
				05-02-89	702	30
262713081414701	L -1985	26 27 13 N	081 41 47 W	10-26-88	745	28
				05-02-89	805	26
262831081575901	L -2212	26 28 31 N	081 57 59 W	10-24-88	1360	320
				04-27-89	1420	340
262839081503100	L - 735	26 28 39 N	081 50 31 W	10-28-88	1880	520
				04-27-89	1820	520
262934081495801	L -5649	26 29 34 N	081 47 28 W	10-27-88	1090	210
				04-28-89	1130	220
262934081495802	L -5721	26 29 34 N	081 49 58 W	10-27-88	611	34
				04-28-89	607	40
262944081560801	L -2529	26 29 13 N	081 56 25 W	10-24-88	6950	2000
				04-28-89	7180	2000
263004082111701	L -2315	26 30 04 N	082 11 17 W	10-24-88	3250	760
263041081433101	L -1983	26 30 41 N	081 43 31 W	10-27-88	722	40
				04-28-89	755	42
263041081433102	L -1998			10-27-88	743	74
				04-28-89	735	66
263041081433103	L -1999			10-27-88	672	14
				04-28-89	640	20
263117082051001	L -2525	26 31 17 N	082 05 10 W	10-28-88	2080	460
				04-25-89	2090	460

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263117082051002	L -2821			10-28-88	2290	500
				04-25-89	2500	570
263117082051003	L -3215			10-28-88	1800	420
				04-25-89	2240	570
263124081521401	L -1089	26 31 24 N	081 52 14 W	10-26-88	913	260
				11-16-88	1040	280
				11-30-88	877	270
				12-12-88	819	280
				12-27-88	907	300
				01-09-89	839	270
				01-25-89	968	270
				02-13-89	984	270
				02-24-89	977	280
				04-13-89	1050	280
				04-28-89	1050	290
				05-15-89	1070	290
				05-30-89	1010	290
				06-12-89	1030	300
				06-28-89	1070	300
				07-10-89	1090	300
263127081351602	L -2215	26 31 27 N	081 35 16 W	10-25-88	745	46
				04-24-89	630	34
263138081545801	L - 730			10-25-88	331	4.0
				04-24-89	310	14
263233081550301	L -1598	26 32 33 N	081 55 03 W	10-25-88	661	160
				04-27-89	802	190
263242081572101	L -2244	26 32 42 N	081 57 21 W	10-25-88	82	4.0
				04-24-89	100	12
263246081531501	L -1124	26 32 46 N	081 53 15 W	10-25-88	486	14
263249081474401	L -5648	26 32 49 N	081 47 44 W	10-28-88	926	160
				04-25-89	920	150
263249081474402	L -5720			04-25-89	910	86
263251081452801	L -1993	26 32 51 N	081 45 28 W	10-28-88	854	140
				04-25-89	840	130
263251081452802	L -1994			10-28-88	789	78
				04-25-89	690	52
				05-30-89	684	56
263251081452803	L -1995			10-28-88	404	26
				04-25-89	520	38
263253082014201	L -2643	26 32 53 N	082 01 42 W	10-24-88	3640	960
				11-15-88	3670	940
263253082014201	L -2643	26 32 53 N	082 01 42 W	11-29-88	3440	980
				12-12-88	3610	940
				12-28-88	3480	940
				01-09-89	3150	940
				01-25-89	3150	940
				02-13-89	3680	940
				02-23-89	3630	940
				03-13-89	3630	940
				03-29-89	3730	960
				04-13-89	3910	1000
				04-24-89	3790	1000
				05-15-89	3770	920
				05-30-89	3610	980
				06-12-89	3600	1000
				06-27-89	3770	960
				07-10-89	3800	960

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263253082014202	L -3206			10-24-88	3240	400
				04-24-89	3170	340
263257081585701	L -2642	26 32 57 N	081 58 57 W	10-24-88	1320	300
				11-15-88	1340	290
				11-29-88	1240	300
				12-12-88	1320	280
				12-28-88	1260	300
				01-09-89	1170	340
				01-25-89	1320	250
				02-13-89	1340	300
				02-23-89	1330	290
				04-13-89	1520	340
				04-24-89	1440	310
				05-15-89	1490	310
				05-30-89	1400	340
				06-12-89	1440	350
				06-27-89	1460	320
				07-10-89	1440	320
263257081585702	L -3205			10-24-88	3860	1000
				04-24-89	4030	1000
				05-02-89	4030	1000
263307081555901	L -2435	26 34 07 N	081 55 59 W	10-24-88	10200	3200
				04-24-89	10200	3200
263315081524201	L -1156	26 33 15 N	081 52 42 W	10-26-88	574	86
				04-25-89	510	78
263323081522401	L - 742	26 33 23 N	081 52 24 W	10-24-88	374	48
				04-25-89	390	54
263323081535301	L -1129	26 33 23 N	081 53 53 W	10-26-88	773	220
				04-28-89	750	210
263327081512001	L -1121	26 33 27 N	081 51 20 W	10-24-88	331	54
				04-25-89	350	52
263329081394301	L -2204	26 33 29 N	081 39 43 W	10-28-88	449	16
				04-26-89	480	20
263329081394302	L -1625			10-28-88	774	76
				04-26-89	510	22
263335081394301	L - 729	26 33 35 N	081 39 43 W	10-28-88	744	64
				04-26-89	570	38
263344081361701	L -1963	26 33 44 N	081 36 17 W	10-25-88	1030	150
				04-24-89	1120	140
263344081361702	L -1964			10-25-88	580	28
				04-24-89	600	26
263344081361703	L -2186			10-25-88	2290	480
				04-24-89	2360	480
263344081361704	L -2311			10-25-88	4890	1200
				04-24-89	5020	1200
263353081335801	L -1965	26 33 53 N	081 33 58 W	10-25-88	1100	170
				04-24-89	1000	130
263353081335802	L -1992			10-25-88	1540	280
				04-24-89	1400	250
263357081575602	L -2703	26 33 57 N	081 57 56 W	10-24-88	1520	340
				04-24-89	1560	340

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263357081575603	L -3213			10-24-88	1040	130
				04-24-89	1160	150
263438081563201	L -1117	26 34 38 N	081 56 32 W	10-28-88	438	100
				04-24-89	550	140
263440082022001	L -2644	26 34 40 N	082 02 20 W	10-24-88	3730	980
				11-15-88	3800	960
				11-29-88	3540	1000
				12-12-88	3700	980
				12-28-88	3610	980
				01-09-89	3290	980
				01-25-89	3750	1000
				02-13-89	3780	980
				02-23-89	3750	1000
				04-13-89	3830	980
				04-24-89	3660	1000
				05-15-89	3820	980
				05-30-89	3650	1000
				06-12-89	3680	1000
				06-27-89	3840	980
				07-10-89	3850	1000
263440082022002	L -3207			10-24-88	1730	120
				04-24-89	1980	150
263526082010201	L -2434	26 35 26 N	082 01 02 W	10-24-88	1740	340
				04-24-89	1740	360
263532081592201	L - 581	26 35 32 N	081 59 22 W	10-24-88	798	220
				04-24-89	870	230
263532081592202	L -1136			10-24-88	368	16
				04-24-89	620	62
263533081573401	L -2641	26 35 33 N	081 57 34 W	10-24-88	862	150
				04-24-89	860	150
263533081573402	L -3204			10-24-88	521	6.0
263621081563701	L -2702	26 36 21 N	081 56 37 W	10-24-88	907	130
				11-15-88	916	130
				11-29-88	992	140
				12-12-88	908	140
				12-28-88	874	130
				01-09-89	921	130
				02-13-89	916	130
				02-23-89	909	130
				04-13-89	1010	150
				04-24-89	960	140
				05-15-89	962	140
				05-30-89	907	130
				06-12-89	920	150
				06-27-89	943	140
				07-10-89	885	130
263621081563702	L -3212			10-24-88	762	38
				04-24-89	790	40
263630081375301	L -1418	26 36 30 N	081 37 53 W	04-26-89	1360	180
263633082002701	L -1116	26 36 33 N	082 00 27 W	10-24-88	546	68
				04-24-89	560	68
263712081461201	L - 728	26 37 12 N	081 46 12 W	10-28-88	393	20
				04-28-89	600	30
263718081485001	L -1973	26 37 18 N	081 48 50 W	10-27-88	1010	180
				04-25-89	890	120
263718081485002	L -1974			10-27-88	654	88
				04-25-89	660	92

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263718081485003	L -2292			10-27-88	3460	860
				04-25-89	3510	920
263720081573101	L -1114	26 37 20 N	081 57 31 W	10-25-88	741	98
				04-24-89	740	100
263743082041201	L -2645	26 37 43 N	082 04 12 W	10-28-88	2140	520
				04-25-89	2180	510
263743082041202	L -3208	26 37 43 N	082 04 12 W	10-28-88	2680	300
				04-25-89	4570	850
263802081493501	L - 246	26 38 02 N	081 49 35 W	10-27-88	703	88
				04-25-89	930	130
263807081430301	L -1968	26 38 07 N	081 43 03 W	10-25-88	749	68
				04-24-89	640	62
263813081552801	L -2640	26 38 13 N	081 55 28 W	10-24-88	992	180
				11-15-88	1010	180
				11-29-88	948	190
				12-12-88	1000	190
				12-28-88	946	190
				01-09-89	872	190
				01-25-89	1010	180
				02-13-89	1010	180
				02-23-89	997	190
				04-13-89	1060	180
				04-24-89	1020	200
				05-15-89	1060	190
				05-30-89	1020	180
				06-12-89	1030	210
				06-27-89	1070	190
				07-10-89	1060	190
263813081552802	L -3203			10-24-88	564	24
				04-24-89	810	74
263814082020701	L -1058	26 38 14 N	082 02 07 W	10-28-88	2150	520
				04-24-89	1710	400
263819081585801	L -2701	26 38 19 N	081 58 58 W	10-24-88	560	54
				04-24-89	580	64
263819081585802	L -3211			10-24-88	505	8.0
				04-24-89	530	8.0
263834082005301	L - 781	26 38 34 N	082 00 53 W	10-28-88	1780	440
				04-24-89	1870	390
263850081365401	L - 727	26 39 50 N	081 35 54 W	10-28-88	870	180
				04-26-89	870	180
263852081514802	L -5707	26 38 52 N	081 51 48 W	10-31-88	819	220
				04-26-89	720	160
263903081550401	L - 954	26 39 03 N	081 55 04 W	10-24-88	470	20
				04-24-89	370	14
263905081572801	L -1115	26 39 05 N	081 57 28 W	10-25-88	788	220
				04-24-89	810	220
263907081592701	L -2528	26 39 07 N	081 59 27 W	10-27-88	3600	940
				04-24-89	3550	960
263950081355401	L -2187	26 39 50 N	081 35 54 W	10-28-88	1740	360
				04-26-89	1800	340
263950081355402	L -1137			10-28-88	464	8.0
				04-26-89	620	68

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263955082083101	L -2527	26 39 55 N	082 08 31 W	10-28-88	6390	1900
				04-25-89	6420	1900
263955082083102	L -2820			10-28-88	3340	940
				04-25-89	3120	900
263955082083103	L -2549			10-28-88	860	120
				04-25-89	910	140
263955082083104	L -3214			10-28-88	489	40
				04-25-89	470	38
264002082012801	L -2700	26 40 02 N	082 01 28 W	10-27-88	3720	1000
				04-25-89	3800	1000
264002082012802	L -3210			10-27-88	1120	120
				04-25-89	1280	170
264053081563201	L -1099	26 40 53 N	081 56 32 W	10-25-88	486	80
				04-24-89	470	88
264053081572501	L -4820	26 40 53 N	081 57 25 W	10-28-88	797	90
				04-24-89	790	84
264054081592601	L -1106	26 40 54 N	081 59 26 W	10-25-88	938	180
				04-24-89	910	170
264055081583101	L -1109	26 40 55 N	081 58 31 W	10-25-88	1100	200
264055081583101	L -1109	26 40 55 N	081 58 31 W	04-24-89	1100	180
264101081443001	L - 652	26 41 01 N	081 44 30 W	04-26-89	3120	740
264120082022101	L -1113	26 41 12 N	082 02 21 W	10-27-88	3940	1100
				04-25-89	3830	1300
264144081520301	L -2190	26 41 44 N	081 52 03 W	10-27-88	1300	230
				04-25-89	1120	150
264144081520302	L -2191			10-27-88	572	14
				04-25-89	530	22
264144081582601	L -1108	26 41 44 N	081 58 26 W	10-25-88	998	260
				04-24-89	970	260
264146081592301	L -1107	26 41 46 N	081 59 23 W	10-25-88	822	180
				04-24-89	800	190
264147081562701	L -1111	26 41 47 N	081 56 27 W	10-28-88	945	200
				04-24-89	920	190
264153082022301	L - 721	26 41 53 N	082 02 23 W	10-27-88	368	12
				04-25-89	480	14
264241081582401	L -1110	26 42 41 N	081 58 24 W	10-25-88	1330	360
				04-24-89	1340	360
264308081405402	L -2530	26 43 08 N	081 40 54 W	10-28-88	2140	440
				04-26-89	2240	440
264308081410001	L -1907	26 43 08 N	081 41 00 W	10-28-88	1030	170
				04-26-89	810	170
264320081365701	L -1977	26 43 20 N	081 36 57 W	10-24-88	3790	1000
				04-24-89	2350	1400
264320081365702	L -1978			10-24-88	332	48
				04-24-89	430	94
				05-30-89	483	44
264329081340401	L -2200	26 43 29 N	081 34 04 W	10-24-88	3300	820
				04-24-89	3170	780
264329081340402	L -2202			10-24-88	659	40
				04-24-89	720	56

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
264359081424701	L -1975	26 43 59 N	081 42 47 W	10-24-88	670	90
				04-24-89	700	94
264359081424702	L -1976			10-24-88	1490	80
				05-30-89	937	38
264425081454001	L - 726	26 44 25 N	081 45 40 W	10-24-88	455	10
				04-24-89	460	10
264427081362601	L -2531	26 44 27 N	081 36 26 W	10-24-88	3090	720
				04-24-89	3000	720
264517081513201	L -2341	26 45 17 N	081 51 32 W	10-27-88	3290	860
				04-25-89	3350	980
264517082022101	L -1059	26 45 17 N	082 02 21 W	10-27-88	1730	440
				04-25-89	1650	410
264517082022102	L -2526			10-27-88	2570	640
				04-25-89	2620	920
264537081552202	L -2646	26 45 37 N	081 55 22 W	10-27-88	639	78
				04-25-89	650	82
264537081552203	L -3209			10-27-88	556	28
				04-25-89	580	32
264608081454101	L -2216	26 46 08 N	081 45 41 W	10-24-88	1220	240
				04-24-89	1230	230
264608081454102	L -2217			10-24-88	916	84
				04-24-89	860	82
264608081454103	L -2328			10-24-88	4070	1100
				04-24-89	4160	1200

KEY TO SITE LOCATIONS ON FIGURE 11
MARTIN COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	265732080143001	M 140	342
11	265822080052401	M 1039	342
12	270012080060101	M 1070	343
13	270042080061401	M 1095	343
2	270124080280202	M 1048	344
14	270309080072201	M 1092	344
15	270320080073301	M 1044	345
16	270835080105801	M 1004	345
17	270941080210301	M 933	346
4	270943080145701	M 1146	346
4	270943080145702	M 1147	347
10	270952080135201	M 1141	347
10	270952080135202	M 1183	348
9	271007080142101	M 1179	348
5	271010080122201	M 1132	349
5	271017080123501	M 1165	349
5	271018080125101	M 1055	350
7	271109080125501	M 1010	350
8	271123080135101	M 1091	351
8	271010080141201	M 147	351
8	271127080144701	M 1090	352
8	271148080141201	M 1011	352
8	271156080141201	M 1158	353

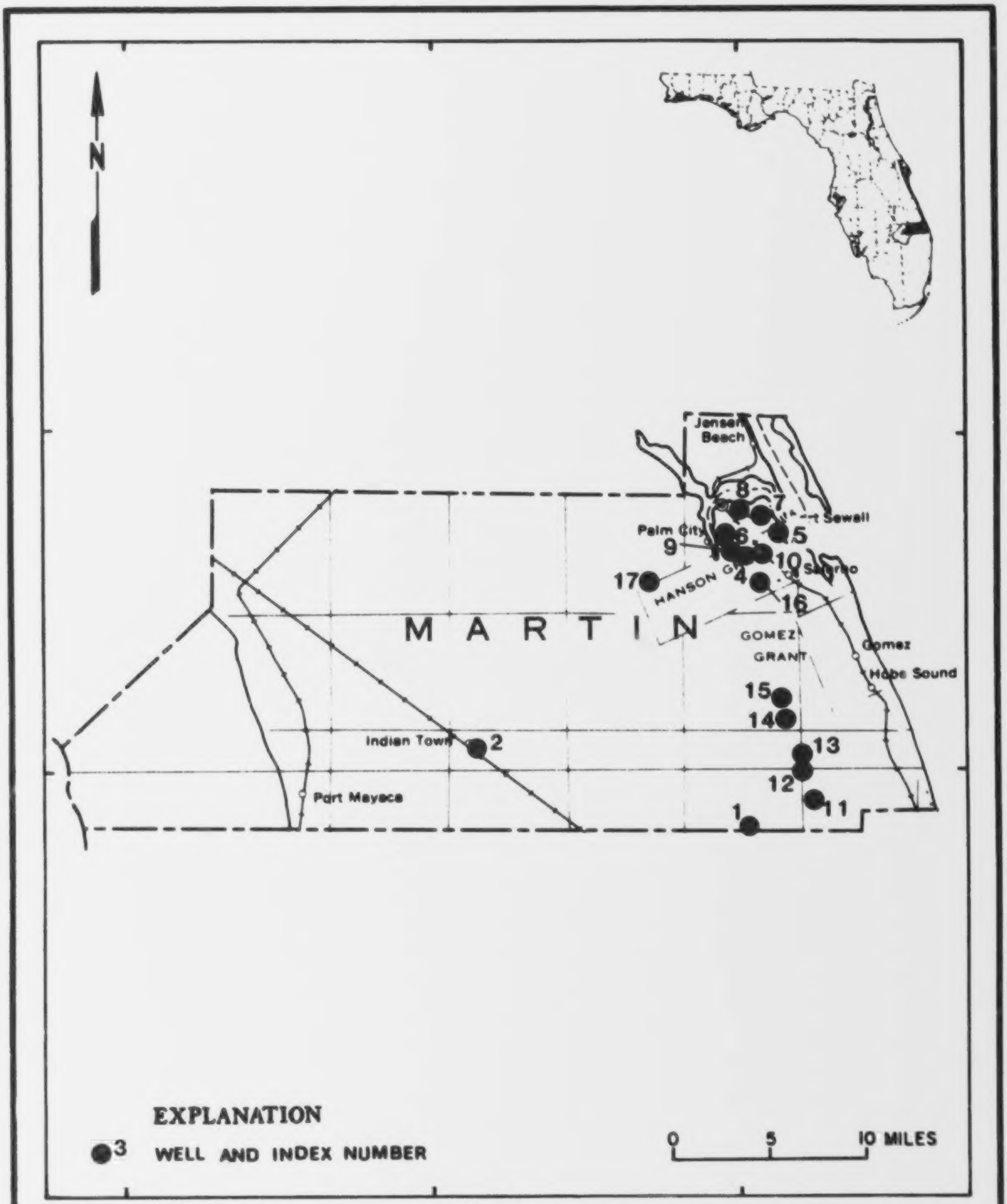
N
Jensen Beach
8
7
Port Sewall
Palm City
6
5
9
10
Salerno
17
4
HANSON G
16
MARTIN
GOMEZ
GRANT
Gomez
Hobe Sound
15
14
Indian Town
2
13
12
Port Mayaca
11
1
EXPLANATION
3 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 10. Location of wells in Martin County.

MARTIN COUNTY

WELL NUMBER.--265732080143001. Local Number M 140. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°57'23", long 80°14'30", in SE¼SE¼ sec.28, T.40 S., R.41 E., Hydrologic Unit 03090202, on State Highway 70, 0.4 mi northwest of Martin/Palm Beach County line, and 9.3 mi west of Jupiter.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well in shell, diameter 6 in., depth 31 ft, cased to 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Water levels estimated Nov. 6-9, Dec. 19-20, Feb. 8-12, 27-28, Apr. 6-9, June 8-11, 24-25, July 7-23, Aug. 14-18, 21-29, Sept. 1-6, 10-17, 22-30, 1989 water year.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to October 1950 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.23 ft NGVD, Sept. 25, 1960; lowest, 13.38 ft NGVD, June 11, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.29	15.76	15.00	14.50	14.04	14.81	14.50	14.61	13.42	15.04	16.94	17.35
10	16.23	15.67	14.88	14.41	13.95	15.37	14.40	14.38	13.42	14.79	16.68	17.10
15	16.01	15.50	14.83	14.34	13.73	15.27	15.07	14.20	14.15	14.55	17.10	16.73
20	16.02	15.33	14.72	14.27	13.64	15.09	15.29	14.08	13.84	14.48	18.17	17.94
25	15.82	15.21	14.66	14.20	13.76	14.86	15.18	13.82	14.62	16.72	18.20	17.50
EOM	15.65	15.08	14.58	14.12	13.71	14.66	14.82	13.59	14.97	17.08	17.41	17.38
MEAN	16.04	15.46	14.81	14.33	13.84	14.94	14.88	14.19	14.03	15.23	17.44	17.34
MAX	16.40	15.76	15.08	14.56	14.10	15.38	15.38	14.82	15.10	17.08	18.36	17.98
MIN	15.65	15.08	14.58	14.12	13.64	13.68	14.39	13.59	13.38	14.48	16.66	16.68

WTR YR 1989 MEAN 15.22 MAX 18.36 AUG 23 MIN 13.38 JUN 11

WELL NUMBER.--265822080052403. Local Number M 1039 USGS Observation Well near Tequesta, Fl.

LOCATION.--Lat 26°58'22", long 80°05'24", in NW¼SW¼SW¼ sec.19, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately 1.5 mi north of Loxahatchee River at U.S. 1 and 0.2 mi west of U.S. 1 at County Line Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 127 ft, cased to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 25.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 2.00 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1976 to September 1985 (intermittent), October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.78 ft NGVD, Oct. 25, 1983; lowest measured, 0.95 ft NGVD, June 20, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1344	2.09	04...	0850	1.98
DEC			24...	1045	1.71
01...	1150	1.57	JUN		
28...	1230	1.61	28...	1355	1.07
JAN			JUL		
20...	1200	1.14	24...	1102	1.24
MAR			AUG		
22...	0920	1.57	30...	1000	1.46
			SEP		
			26...	1030	1.65

MARTIN COUNTY

WELL NUMBER.--270012080060101. Local Number M 1070. USGS Observation Well near Tequesta, Fl.

LOCATION.--Lat 27°00'12", long 80°06'01", in NW¼SW¼SE¼ sec.12, T.40 S., R.42 E., Hydrologic Unit 03090202, approximately 4 mi north of Loxahatchee River Bridge on U.S. 1 at Jupiter, Fl. at gate entrance to Jonathan Dickinson Park.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 120 ft, cased to 116 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.97 ft NGVD, Oct. 26, 1983; lowest measured, 0.78 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
27...	1220	1.75	02...	1545	1.23
DEC			24...	1015	1.00
01...	1120	1.52	JUN		
28...	1200	1.15	26...	1245	0.78
JAN			JUL		
20...	0920	0.85	24...	1030	0.84
FEB			AUG		
15...	1400	0.86	30...	0920	0.96
MAR			SEP		
22...	0905	1.42	26...	1006	1.05

WELL NUMBER.--270042080061401. Local Number M 1095. USGS Observation Well near Hobe Sound, Fl.

LOCATION.--Lat 27°00'42", long 80°06'14", in SW¼NE¼NW¼ sec.12, T.40 S., R.42 E., Hydrologic Unit 03090202, approximately 5 mi north of Jupiter, Fl. on U.S. 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 32.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.65 ft NGVD, Oct. 26, 1983; lowest measured, 1.78 ft NGVD, May 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
27...	1210	3.57	02...	1530	1.78
DEC			24...	1000	2.68
01...	1100	3.90	JUN		
28...	1135	2.90	26...	1225	2.58
JAN			JUL		
20...	0950	2.71	24...	1019	2.52
FEB			AUG		
15...	1350	2.60	30...	0905	2.78
MAR			SEP		
22...	0853	2.90	26...	0951	2.91

MARTIN COUNTY

WELL NUMBER.--270124080280202. Local Number M 1048. USGS Observation Well at Indiantown, Fl.

LOCATION.--Lat 27°01'24", long 80°28'02", in NE¼SE¼ sec.6, T.40 S., R.39 E., Hydrologic Unit 03090202, near Civic Club in Indiantown, and 0.1 mi northeast of State Highway 710.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 80 ft, cased to 25 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 33.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.83 ft above land-surface datum.

REMARKS.--Water level estimated Oct. 1, 1989 water year.

PERIOD OF RECORD.--March 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.59 ft Sept. 3, 1980; lowest, 25.11 ft NGVD, Apr. 28, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.86	29.91	28.55	27.84	27.20	27.19	26.62	26.80	26.15	26.19	27.39	28.62
10	29.65	29.66	28.40	27.71	27.09	27.30	27.04	26.66	26.11	26.22	27.40	28.66
15	29.37	29.34	28.38	27.58	26.97	27.26	27.16	26.55	26.03	26.19	27.81	28.87
20	29.15	29.04	28.24	27.47	26.85	27.14	27.25	26.46	25.94	26.44	27.98	29.49
25	28.94	28.86	28.12	27.47	26.76	26.96	27.13	26.37	25.99	26.39	28.29	30.42
EOM	28.68	28.71	27.97	27.30	26.70	26.74	26.88	26.25	26.14	26.83	27.98	30.49
MEAN	29.35	29.20	28.32	27.60	26.99	27.08	27.02	26.55	26.07	26.31	27.75	29.25
MAX	30.10	29.91	28.68	27.95	27.28	27.30	27.25	26.89	26.22	26.83	28.29	30.76
MIN	28.68	28.57	27.97	27.30	26.70	26.66	26.62	26.25	25.93	26.08	26.93	27.95

WTR YR 1989 MEAN 27.63 MAX 30.76 SEP 27 MIN 25.93 JUN 22 AND OTHERS

WELL NUMBER.--270309080072201. Local Number M 1092. USGS Observation Well in Hobe Sound, Fl.

LOCATION.--Lat 27°03'09", long 80°07'22", in NW¼SW¼NW¼ sec.26, T.39 S., R.42 E., Hydrologic Unit 03090202, approximately 1.0 mi south of Junction of S.R. 708 and A1A in Hobe Sound, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 160 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.09 ft NGVD, Oct. 26, 1983; lowest measured, 2.82 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1245	4.12	01...	1645	3.49
DEC			25...	1305	3.15
01...	1047	3.90	JUN		
28...	1115	3.25	26...	1215	2.82
JAN			JUL		
20...	1015	3.31	24...	1000	2.97
FEB			AUG		
15...	1330	3.26	30...	0843	3.75
MAR			SEP		
22...	0840	3.84	26...	0935	3.99

MARTIN COUNTY

WELL NUMBER.--270320080073301. Local Number M 1044. USGS Observation Well in Hobe Sound, Fl.

LOCATION.--Lat 27°03'20", long 80°07'33", in NE¼NE¼NE¼ sec.27, T.39 S., R.42 E., Hydrologic Unit 03090202, approximately 0.5 mi south of intersection of A1A and S.R. 708 in Hobe Sound, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 163 ft, cased to 158 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to October 1988, land-surface datum was considered to be 11.00 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1974 to current year. The figures of water levels as elevation, in feet NGVD, prior to October 1988 are in error. Revised record are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.19 ft NGVD, Oct. 16, 1978; lowest measured, 1.50 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1230	2.73	01...	1630	2.10
DEC			24...	1407	1.66
01...	1040	2.73	JUN		
28...	1110	2.08	26...	1200	1.50
JAN			JUL		
20...	1030	1.94	24...	0945	1.77
FEB			AUG		
15...	1315	2.25	30...	0832	2.48
MAR			SEP		
22...	0830	3.69	26...	0921	2.74

WELL NUMBER.--270835080105801. Local Number M 1004. USGS Observation Well in Port Salerno, FL.

LOCATION.--Lat 27°08'35", long 80°10'58", in NE¼NW¼ sec.30, T.38 S., R.42 E., Hydrologic Unit 03090202, 5.0 mi southeast of Stuart, 0.7 mi east of A1A on Cove Road in Port Salerno.

AQUIFER.--Surficial Aquifer System, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation water-table well, diameter 6 in., depth 17 ft, cased to 17 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 7.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1973 to December 1976. October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.29 ft NGVD, Oct. 8, 1973; lowest, 2.31 ft NGVD, July 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	5.20	4.54	4.24	4.69	4.87	4.45	4.30	3.03	2.39	2.42	4.26
10	---	4.93	4.58	4.28	4.62	5.08	4.22	4.12	2.99	2.35	2.91	4.09
15	4.34	4.78	4.68	4.19	4.46	4.85	4.25	3.66	2.85	2.50	3.20	3.62
20	4.45	4.67	4.51	4.37	4.43	4.67	4.59	3.45	2.72	2.68	3.09	3.28
25	4.28	4.64	4.48	4.92	4.34	4.56	4.49	3.59	2.69	2.74	4.08	3.05
EOM	4.08	4.69	4.32	4.80	4.35	4.46	4.41	3.25	2.60	2.66	3.54	2.90
MEAN	4.30	4.74	4.56	4.46	4.54	4.77	4.37	3.78	2.87	2.59	3.17	3.57
MAX	4.46	5.20	4.71	5.05	4.78	5.17	4.59	4.48	3.18	2.81	4.10	4.26
MIN	4.05	3.99	4.32	3.94	4.34	4.35	3.97	3.22	2.60	2.31	2.32	2.90

WTR YR 1989 MEAN 3.96 MAX 5.20 NOV 4 AND OTHERS MIN 2.31 JUL 12

MARTIN COUNTY

WELL NUMBER.--270941080210301. Local Number M 933. USGS Observation Well near Palm City, Fl.

LOCATION.--Lat 27°09'41", long 80°21'03", in NW¼NW¼ sec.21, T.38 S., R.40 E., Hydrologic Unit 03090202, on State Highway 714, and 6.2 mi west of Palm City.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 14.5 ft, cased to 13.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1957 to April 1979 (water level recorder), May 1979 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.50 ft NGVD, Sept. 24, 1960; lowest, 19.08 ft NGVD, May 11, 1977. (adjusted datum).

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
25...	--	20.30
DEC		
01...	--	20.23
22...	--	20.16
JAN		
26...	--	20.35
FEB		
14...	--	19.95
MAR		
23...	--	20.16
MAY		
02...	--	20.19
13...	--	19.96
31...	--	20.01
JUN		
12...	--	19.85
27...	1225	20.13
JUL		
11...	0845	20.22
25...	1205	20.20
AUG		
11...	1115	20.82
29...	1220	21.31
SEP		
13...	0840	20.87

WELL NUMBER.--270943080145701. Local Number M 1146. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°09'43", long 80°14'57", in Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on State Road 76, approximately 0.25 mi north of Indian Avenue.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 110 ft, cased to 107 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.41 ft NGVD, Oct. 26, 1983; lowest measured, 0.50 ft NGVD, Jan. 26, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT		
25...	1115	2.05
NOV		
30...	0810	2.91
DEC		
28...	0830	2.64
JAN		
26...	0845	1.87
FEB		
14...	1045	1.70
MAR		
24...	0815	2.41
MAY		
01...	0950	2.56
JUN		
01...	0840	0.66
26...	0850	1.74
JUL		
24...	1007	2.70
AUG		
28...	0840	2.42
SEP		
27...	0850	3.38

MARTIN COUNTY

WELL NUMBER.--270943080145702. Local Number M 1147. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°09'43", long 80°14'57", in Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on State Road 76, approximately 0.25 mi north of Indian Avenue.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 146 ft, cased to 143 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.61 ft NGVD, Oct. 26, 1983; lowest measured, 0.15 ft NGVD, Feb. 14, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 25...	1120	3.09	MAY 01...	0952	2.78
NOV 30...	0815	4.64	JUN 01...	0845	2.28
DEC 28...	0840	3.21	26...	0900	2.54
JAN 26...	0850	3.21	JUL 24...	1005	3.10
FEB 14...	1050	0.15	AUG 28...	0836	3.27
MAR 24...	0820	2.61	SEP 27...	0840	3.65

WELL NUMBER.--270952080135201 Local Number M 1141. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°09'52", long 80°13'52", in SW¼SW¼ sec.15, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.25 mi west of Junction of U.S. Highway 1 and Indian Avenue near Stuart, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation test, water-table well, diameter 4 in., depth 109 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 16.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 2.37 ft above land-surface datum.

REMARKS.--Well is part of a water level monitoring network for the Stuart peninsula. Water levels estimated Aug. 28 - Sept. 30, 1989 water year.

PERIOD OF REOCRD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.20 ft NGVD, Nov. 25, 1987; lowest, 7.29 ft NGVD, May 29, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.40	10.52	9.53	9.10	8.51	8.36	7.93	8.70	7.99	7.95	8.04	8.23
10	10.57	10.52	9.58	8.95	8.31	8.49	8.38	8.46	7.98	7.86	8.28	8.19
15	10.35	10.24	9.50	8.79	8.10	8.58	8.15	8.31	7.85	7.58	8.62	8.01
20	10.26	10.13	9.48	8.60	7.92	8.33	8.48	8.39	7.83	8.33	8.59	7.85
25	10.11	9.86	9.44	9.07	7.85	7.95	8.47	8.35	8.25	8.39	8.71	7.77
EOM	9.76	9.68	9.22	8.79	7.49	7.97	8.60	8.27	8.10	8.33	8.29	7.56
MEAN	10.32	10.14	9.50	8.94	8.14	8.26	8.30	8.41	8.03	8.04	8.40	7.97
MAX	10.78	10.63	9.71	9.21	8.73	8.65	8.60	8.78	8.28	8.39	8.74	8.26
MIN	9.76	9.68	9.22	8.60	7.49	7.67	7.89	8.13	7.72	7.58	7.77	7.56

WTR YR 1989 MEAN 8.71 MAX 10.78 OCT 7 MIN 7.49 FEB 28

MARTIN COUNTY

WELL NUMBER.--270952080135202. Local Number M 1183. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°09'52", long 80°13'52", in SW¼SW¼ sec.15, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.25 mi west of Junction of U.S. Highway 1 and Indian Avenue near Stuart, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21.0 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 16.00 ft above National Geodetic Vertical Datum, of 1929. Measuring point: Top of shelter base, 3.10 ft above land-surface datum.

REMARKS.--Well is part of a water level monitoring network for the Stuart peninsula.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.40 ft NGVD, Nov. 25-27, 1988; lowest, 7.37 ft NGVD, May 27,1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.75	10.94	9.91	9.47	8.94	8.81	8.56	9.25	8.68	8.56	8.51	8.82
10	10.91	11.01	9.96	9.33	8.73	9.06	8.97	9.06	8.68	8.47	8.78	8.78
15	10.72	10.73	9.92	9.20	8.59	9.08	8.73	8.88	8.56	8.19	9.13	8.60
20	10.61	10.54	9.85	9.03	8.39	8.95	9.01	8.98	8.41	8.76	9.14	8.44
25	10.47	10.30	9.80	9.55	8.26	8.53	9.13	8.92	8.86	8.94	9.24	8.36
EOM	10.14	10.13	9.61	9.21	8.15	8.47	9.15	8.81	8.73	8.82	8.84	8.15
MEAN	10.70	10.58	9.88	9.35	8.61	8.77	8.87	9.01	8.67	8.62	8.94	8.56
MAX	11.12	11.05	10.09	9.60	9.17	9.08	9.15	9.26	8.86	8.94	9.29	8.85
MIN	10.14	10.09	9.61	9.03	8.15	8.14	8.44	8.81	8.41	8.16	8.40	8.15

WTR YR 1989 MEAN 9.22 MAX 11.12 OCT 7 MIN 8.14 MAR 1

WELL NUMBER.--271007080142101. Local Number M 1179. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°10'07", long 80°14'21", in SE¼SE¼ sec.16, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.5 mi west on Indian Avenue from Junction of U.S. Highway 1 and 0.5 mi north on Astor Lane near Stuart, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 15.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.24 ft above land-surface datum.

REMARKS.--Well is part of a monitoring network for the Stuart peninsula.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.01 ft NGVD, July 5, 1986; lowest, 3.63 ft NGVD, July 16, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.52	8.04	7.34	6.59	6.02	5.33	4.81	4.56	4.11	3.85	4.26	4.97
10	8.43	8.04	7.29	6.52	5.81	5.46	4.83	4.47	4.01	3.77	4.35	5.03
15	8.21	7.84	7.21	6.30	5.65	5.67	4.67	4.34	3.83	3.64	4.52	5.04
20	8.14	7.63	7.03	6.16	5.45	5.70	4.66	4.29	3.75	3.79	4.73	5.05
25	7.99	7.56	6.85	6.19	5.30	5.33	4.68	4.24	3.89	4.05	4.87	4.97
EOM	7.72	7.42	6.72	6.21	5.29	5.01	4.55	4.20	3.93	4.24	4.92	4.90
MEAN	8.23	7.76	7.11	6.37	5.68	5.41	4.71	4.39	3.94	3.88	4.57	4.99
MAX	8.72	8.10	7.40	6.70	6.11	5.70	4.94	4.66	4.19	4.24	4.92	5.07
MIN	7.72	7.42	6.72	6.16	5.28	5.01	4.54	4.20	3.73	3.63	4.24	4.90

WTR YR 1989 MEAN 5.59 MAX 8.72 OCT 1 MIN 3.63 JUL 16

MARTIN COUNTY

WELL NUMBER.--271010080122201. Local Number M 1132. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'10", long 80°12'22", in NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on St. Lucie Boulevard, 0.25 mi southeast of Indian Avenue and 1.1 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 104 ft. cased to 103 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.28 ft NGVD, Mar. 30, 1983; lowest measured, 0.40 ft below NGVD, Aug. 28, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1345	1.67	01...	1500	1.44
NOV			JUN		
30...	1000	1.84	01...	1105	1.29
DEC			29...	1115	0.81
28...	1015	1.95	JUL		
JAN			24...	1500	1.65
26...	1210	2.07	AUG		
FEB			28...	1100	1.46
15...	1205	1.08	SEP		
MAR			27...	1100	1.44
24...	1025	1.31			

WELL NUMBER.--271017080123501. Local Number M 1165. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'17", long 80°12'35", in NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, one block south of Indian Avenue, approximately 1.2 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 106 ft, cased to 103 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.71 ft NGVD, Sept. 28, 1984; lowest measured, 0.92 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1330	2.59	01...	1445	2.30
NOV			JUN		
30...	0956	2.48	01...	1055	2.02
DEC			26...	1105	1.73
28...	0945	2.66	JUL		
JAN			24...	1445	2.43
26...	1200	2.98	AUG		
FEB			28...	1050	2.48
15...	1130	1.91	SEP		
MAR			27...	1045	2.36
24...	1015	2.37			

MARTIN COUNTY

WELL NUMBER.--271018080125101. Local Number M 1055. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'18", long 80°12'51", in NE¼NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 0.5 mi north of Indian Avenue and 1.0 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 91 ft, cased to 86 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--February 1975 to April 1981 (intermittent), May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.59 ft NGVD, Sept. 28, 1988; lowest measured, 2.52 ft NGVD, June 26, 1981 and June 10, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1405	4.58	01...	1330	5.03
NOV			JUN		
30...	1135	5.39	01...	1040	4.54
DEC			26...	1055	4.49
28...	1030	4.45	JUL		
JAN			24...	1415	5.14
26...	1140	4.80	AUG		
FEB			28...	1035	5.41
15...	1055	3.84	SEP		
MAR			27...	1035	5.05
24...	1005	5.04			

WELL NUMBER.--271109080125501. Local Number M 1010. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'09", long 80°12'55", in NW¼SE¼NE¼ sec.11, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 0.25 mi south and 2.3 mi east of the intersection of State Road 76 and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 126 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--October 1973 to April 1981 (intermittent), May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, Sept. 28, 1984; lowest measured, 1.44 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1315	5.12	01...	1300	4.64
NOV			JUN		
30...	1330	5.97	01...	1025	4.85
DEC			26...	1035	4.61
28...	1045	5.32	JUL		
JAN			24...	1345	4.91
26...	1110	5.42	AUG		
FEB			28...	1015	5.41
15...	1030	4.64	SEP		
MAR			27...	1015	5.55
24...	0950	5.09			

MARTIN COUNTY

WELL NUMBER.--271123080135101. Local Number M 1091. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'23", long 80°13'51", in SW¼SE¼SW¼ sec.3, T.38 S., R.41 E., Hydrologic Unit 03090202, across from St. Michaels School on 10th Street at Trinity Street, 1.3 mi east of the intersection of U.S. Highway 1 and State Road 76 (Colorado Avenue).

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 123 ft, cased to 118 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1976 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft NGVD, Sept. 28, 1984; lowest measured, 0.10 ft below NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1210	2.28	01...	1125	1.07
NOV			JUN		
30...	0920	4.54	01...	0940	0.95
DEC			26...	0950	0.43
28...	0855	2.75	JUL		
JAN			24...	1250	1.57
26...	1020	1.53	AUG		
FEB			28...	0930	1.74
15...	0820	0.59	SEP		
MAR			27...	0920	1.97
24...	0910	1.48			

WELL NUMBER.--271010080141201. Local Number M 147. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°11'23", long 80°14'12", in NW¼NW¼ sec.10, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.5 mi south of East 4th Street on Palm Beach Road, 0.8 mi east of U.S. Highway 1, and 2.0 mi southeast of Stuart.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 74 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 13.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.70 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-5, 1988, for the 1989 water year.

PERIOD OF RECORD.--January 1952 to current year. Records of water levels prior to August 1952 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.10 ft NGVD, Oct. 18, 1953; lowest, 7.85 ft below NGVD, June 13, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.48	1.35	1.13	.28	-0.28	-0.21	-0.52	-0.23	-0.31	.13	.08	1.57
10	1.49	1.39	.87	.03	-0.39	-0.05	-0.15	-0.36	-0.21	-0.32	.68	1.48
15	1.47	1.39	.87	-0.16	-0.38	-0.43	.13	.19	-0.16	-0.53	.48	1.26
20	1.37	1.37	.62	-0.16	-0.36	-0.39	-0.28	.47	-0.85	-0.07	.59	1.55
25	1.03	1.45	.62	-0.06	-0.25	-0.26	-0.29	-0.40	-0.25	-0.02	.77	1.01
EOM	.90	1.29	.51	-0.22	-0.38	-0.33	-0.36	.39	-0.24	.17	.74	1.57
MEAN	1.30	1.36	.85	-0.05	-0.36	-0.31	-0.24	-0.15	-0.20	-0.09	.48	1.41
MAX	1.63	1.60	1.25	.42	-0.08	.11	.13	.47	.25	.32	1.17	1.84
MIN	.85	.82	.35	-0.55	-0.90	-0.92	-0.52	-1.17	-1.95	-0.74	.03	.61

WTR YR 1989 MEAN .34 MAX 1.84 SEP 29 MIN -1.95 JUN 17

MARTIN COUNTY

WELL NUMBER.--271127080144701. Local Number M 1090. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'27", long 80°14'47", in SE¼SE¼SW¼ sec.4, T.38 S., R.41 E., Hydrologic Unit 03090202, in the south corner of Martin Luther King Park, 0.5 mi east of the intersection of U.S. Highway 1 and State Road 76.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 128 ft, cased to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1976 to April 1981 (intermittent), May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.53 ft NGVD, Apr. 5, 1982; lowest measured, 1.32 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1145	3.66	01...	1050	1.69
NOV			JUN		
30...	0910	4.42	01...	0915	2.24
DEC			26...	0920	2.51
28...	0840	4.69	JUL		
JAN			24...	1215	3.11
26...	0945	2.63	AUG		
FEB			28...	0905	3.14
15...	0800	1.89	SEP		
MAR			27...	--	3.18
24...	0845	2.10			

WELL NUMBER.--271148080141201. Local Number M 1011. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'48", long 80°14'12", in NW¼NW¼SW¼ sec.3, T.38 S., R.41 E., Hydrologic Unit 03090202, south of State Road A1A, approximately 0.5 mi north and 1.0 mi east of the intersection of State Road 76 and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 128 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--October 1973 to April 1981 (intermittent), May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.79 ft NGVD, Sept. 28, 1984; lowest measured, 1.83 ft below NGVD, May 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1220	2.71	01...	1151	1.35
NOV			JUN		
30...	1115	3.44	01...	0955	1.55
DEC			26...	1000	1.25
28...	0905	3.64	JUL		
JAN			24...	1305	1.93
26...	1035	1.86	AUG		
FEB			28...	0950	1.95
15...	0840	1.37	SEP		
MAR			27...	0930	2.12
24...	0920	1.65			

MARTIN COUNTY

WELL NUMBER.--271156080141201. Local Number M 1158. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'56", long 80°14'12", in SE¼SE¼NE¼ sec.4, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 1.4 mi north of the intersection of Palm Beach Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 128 ft, cased to 125 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.24 ft NGVD, Sept. 28, 1984; lowest measured, 0.77 ft NGVD, June 26, 1981 and Feb. 15, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1245	2.39	01...	1200	1.15
NOV			JUN		
30...	1000	3.36	01...	1000	1.05
DEC			26...	1015	0.97
28...	0945	2.25	JUL		
JAN			24...	1315	1.61
26...	1050	1.75	AUG		
FEB			28...	1000	1.45
15...	0855	0.77	SEP		
MAR			27...	0945	1.75
24...	0930	1.27			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
MARTIN COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
265725080141801	M -1234	26 57 25 N	080 14 18 W	10-28-88	14.96
				05-03-89	14.60
				08-11-89	16.15
265726080142001	M -1231	26 57 26 N	080 14 20 W	10-28-88	14.19
				05-03-89	14.30
265731080222701	M -1045	26 57 31 N	080 22 27 W	05-03-89	24.64
265845080090101	M -1229	26 58 45 N	080 09 01 W	10-28-88	5.49
				05-03-89	4.09
265845080090102	M -1232			05-03-89	4.97
265903080340801	M -1046	26 59 03 N	080 34 08 W	10-28-88	20.87
265906080071601	M -1230	26 59 06 N	080 07 16 W	10-28-88	3.24
				05-03-89	2.15
265906080071602	M -1233			10-28-88	2.26
				05-03-89	3.65
265915080290001	M -1085	26 59 15 N	080 29 00 W	10-28-88	22.96
				05-03-89	22.44
265920080163901	M -1083	26 59 20 N	080 16 39 W	05-03-89	20.51
265920080163902	M -1096			05-03-89	11.11
265937080341902	M -1086	26 59 37 N	080 34 19 W	10-28-88	20.42
265942080062401	M -1094	26 59 42 N	080 06 24 W	10-28-88	2.83
270002080063201	M -1071	27 00 02 N	080 06 32 W	10-28-88	2.85
				05-02-89	2.65
270002080063202	M -1072			10-28-88	2.87
				05-02-89	2.66
270028080064301	M -1093	27 00 28 N	080 06 43 W	10-28-88	2.93
				05-02-89	2.82
270028080265401	M -1080	27 00 28 N	080 26 54 W	10-28-88	21.48
270028080265403	M -1243			10-28-88	20.30
				05-03-89	21.01
270117080070301	M -1073	27 01 17 N	080 07 03 W	10-28-88	4.42
				05-02-89	3.96
270151080330201	M -1252	27 01 51 N	080 33 02 W	05-02-89	20.83
270151080330202	M -1262			05-02-89	20.82
270210080235502	M -1244	27 02 10 N	080 23 55 W	10-28-88	14.50
				05-02-89	14.92
270210080235503	M -1245			10-28-88	15.92
				05-02-89	15.11
270237080094901	M -1259	27 02 37 N	080 09 49 W	04-24-89	11.29
				05-02-89	10.88
270237080094902	M -1260			04-24-89	9.31
				05-02-89	10.88
270238080135201	M -1235	27 02 38 N	080 13 52 W	10-28-88	4.27
				04-24-89	10.96
				05-02-89	10.85
270320080073302	M -1258			04-24-89	1.34
				05-01-89	1.15
270331080182201	M -1049	27 03 31 N	080 18 22 W	10-28-88	19.33
				04-24-89	19.93
				05-03-89	20.13
270331080182202	M -1239			10-28-88	18.82
				04-24-89	19.69
				05-03-89	19.90
270401080255101	M -1263	27 04 01 N	080 25 51 W	05-02-89	22.72
270427080260101	M -1237	27 04 27 N	080 26 01 W	10-28-88	20.88
				05-02-89	22.05
270429080190901	M -1236	27 04 29 N	080 19 09 W	10-31-88	18.31
				04-24-89	18.22
				05-02-89	18.47
270441080332402	M -1066	27 04 41 N	080 33 24 W	10-31-88	27.45
				05-02-89	28.52

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
270507080285501	M -1079	27 05 07 N	080 28 55 W	10-31-88	24.84
				05-02-89	25.27
270543080084701	M -1057	27 05 43 N	080 08 47 W	02-15-89	5.16
				05-01-89	3.96
				07-26-89	3.04
270609080163401	M -1261	27 06 09 N	080 16 34 W	05-02-89	9.31
270650080260101	M -1238	27 06 50 N	080 26 01 W	10-31-88	23.22
				05-02-89	23.86
270651080260701	M -1264	27 06 51 N	080 26 07 W	10-31-88	20.93
270651080260701	M -1264	27 06 51 N	080 26 07 W	05-02-89	22.73
270720080140201	M -1253	27 07 20 N	080 14 02 W	04-24-89	12.43
				05-02-89	13.01
270720080140202	M -1257			04-24-89	13.27
				05-02-89	13.53
270720080312001	M -1249	27 07 20 N	080 31 20 W	10-31-88	39.08
				05-02-89	39.80
270720080312002	M -1250			10-31-88	39.15
				05-02-89	39.69
270750080380301	M -1251	27 07 50 N	080 38 03 W	10-31-88	25.08
				05-02-89	25.35
270750080380302	M -1265			05-02-89	26.50
270820080111901	M -1052	27 08 20 N	080 11 19 W	10-27-88	3.96
				02-15-89	4.27
				05-01-89	4.33
				07-26-89	3.46
270845080144301	M -1140	27 08 45 N	080 14 43 W	10-27-88	6.29
				02-14-89	5.81
				05-01-89	6.96
				07-24-89	7.10
270845080144302	M -1197			10-27-88	7.74
				02-14-89	7.21
				05-01-89	8.65
				07-24-89	8.71
270859080133201	M -1199	27 08 59 N	080 13 32 W	10-27-88	11.37
				02-14-89	11.26
				05-01-89	12.13
				07-24-89	12.41
270913080284901	M -1255	27 09 13 N	080 28 49 W	05-02-89	24.82
270930080144801	M -1196	27 09 30 N	080 14 48 W	10-27-88	4.43
				02-14-89	3.41
				05-01-89	3.86
				07-24-89	4.21
270931080403801	M -1041	27 09 31 N	080 40 38 W	10-31-88	22.22
				05-02-89	21.77
270937080132501	M -1198	27 09 37 N	080 13 25 W	10-27-88	10.78
				02-14-89	9.96
				05-01-89	11.55
				07-24-89	10.46
270938080142501	M -1195	27 09 38 N	080 14 25 W	10-27-88	7.97
				02-14-89	6.04
				05-01-89	5.59
				07-24-89	5.12
270942080250401	M -1037	27 09 42 N	080 25 04 W	10-31-88	24.71
				05-02-89	26.96
270943080145703	M -1148			10-26-88	3.77
				02-14-89	2.46
				05-01-89	2.95
				07-24-89	3.17
270949080135801	M -1144	27 09 49 N	080 13 58 W	02-14-89	7.51
				05-01-89	7.88
				07-24-89	7.07

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
270949080140001	M -1145	27 09 49 N	080 14 00 W	10-27-88	2.79
				02-23-89	0.45
				05-01-89	6.87
				07-24-89	3.24
270951080135601	M -1143	27 09 51 N	080 13 56 W	10-27-88	9.35
				02-14-89	6.12
				05-01-89	8.01
				07-24-89	7.38
270951080135602	M -1142			10-27-88	8.22
				02-14-89	7.44
				05-01-89	7.38
				07-24-89	4.94
270951080335501	M -1042	27 09 51 N	080 33 55 W	05-02-89	29.93
270959080141301	M -1206	27 09 59 N	080 14 13 W	10-27-88	7.42
				02-14-89	5.05
				05-01-89	4.46
				07-24-89	4.04
271000080124801	M -1133	27 10 00 N	080 12 48 W	10-27-88	7.28
271001080141301	M -1205	27 10 01 N	080 14 13 W	10-27-88	6.25
				02-14-89	3.96
				05-01-89	4.55
				07-24-89	3.21
271005080142101	M -1184	27 10 05 N	080 14 21 W	10-27-88	6.73
				02-14-89	5.49
				04-24-89	3.93
				05-01-89	4.51
				07-24-89	3.93
271005080142102	M -1185			10-27-88	7.49
				02-14-89	5.21
				05-01-89	4.62
				07-24-89	4.02
271006080142101	M -1182	27 10 06 N	080 14 21 W	02-14-89	5.62
271007080131001	M -1134	27 10 07 N	080 13 10 W	10-27-88	9.72
				02-15-89	9.24
				05-01-89	10.46
271007080131002	M -1135			10-27-88	10.71
				02-15-89	10.00
271007080131002	M -1135	27 10 07 N	080 13 10 W	05-01-89	11.18
				07-24-89	10.74
271007080134701	M -1194	27 10 07 N	080 13 47 W	10-27-88	12.51
				02-23-89	9.12
				05-01-89	9.55
				07-24-89	9.37
271007080142102	M -1180			10-27-88	8.04
271009080142202	M -1174	27 10 09 N	080 14 22 W	10-27-88	8.02
				02-14-89	5.87
271010080141301	M -1151	27 10 10 N	080 14 13 W	10-27-88	8.25
				02-14-89	6.11
				05-01-89	5.24
				07-24-89	4.60
271010080141302	M -1167			10-27-88	8.39
				02-14-89	6.20
				05-01-89	5.23
				07-24-89	4.71
271010080142301	M -1152	27 10 10 N	080 14 23 W	05-01-89	5.47
				07-24-89	5.29
271018080125102	M -1056			10-27-88	6.15
				02-15-89	3.84
				05-01-89	5.08
				07-24-89	5.17
271018080125103	M -1164			02-15-89	3.93
				05-01-89	5.18
				07-24-89	5.28
271018080141301	M -1225	27 10 18 N	080 14 13 W	02-23-89	3.59

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
271018080141301	M -1225	27 10 18 N	080 14 13 W	05-03-89	2.89
				07-24-89	2.35
271021080142701	M -1176	27 10 21 N	080 14 27 W	10-27-88	8.19
				02-14-89	6.42
271023080121001	M -1163	27 10 23 N	080 12 10 W	10-27-88	1.17
				02-15-89	1.06
				05-01-89	0.09
				07-24-89	1.26
271026080142701	M -1175	27 10 26 N	080 14 27 W	10-27-88	7.95
				02-14-89	6.30
271029080141401	M -1191	27 10 29 N	080 14 14 W	10-27-88	7.91
				02-14-89	6.03
271029080141402	M -1192			10-27-88	8.17
				02-14-89	6.26
271030080141901	M -1154	27 10 30 N	080 14 19 W	10-27-88	7.68
				02-15-89	5.99
				05-01-89	5.51
				07-24-89	5.55
271030080142601	M -1153	27 10 30 N	080 14 26 W	10-27-88	7.46
				02-14-89	6.16
				05-01-89	5.48
				07-24-89	5.46
271030080142602	M -1166			10-27-88	4.02
				02-14-89	2.59
				05-01-89	2.04
				07-24-89	2.01
271032080135301	M -1193	27 10 32 N	080 13 53 W	02-14-89	7.86
				05-01-89	7.86
				07-24-89	7.86
271032080141901	M -1188	27 10 32 N	080 14 19 W	10-27-88	7.63
				02-14-89	5.80
				05-01-89	5.55
271032080141902	M -1189			10-27-88	7.00
				02-14-89	5.14
				05-01-89	4.67
271050080122301	M -1162	27 10 50 N	080 12 23 W	10-27-88	2.16
				02-15-89	1.91
				05-01-89	1.69
				07-24-89	1.59
271109080125502	M -1161			10-27-88	3.20
				02-15-89	2.81
				05-01-89	2.78
				07-24-89	3.01
271114080152701	M -1168	27 11 14 N	080 15 27 W	10-27-88	1.67
				02-14-89	0.81
				05-01-89	0.91
				07-24-89	1.17
271123080135102	M -1156			10-27-88	2.50
				02-15-89	1.48
				05-01-89	1.32
				07-24-89	1.70
271127080144702	M -1150			10-27-88	3.75
				02-15-89	2.03
				05-01-89	0.84
				07-24-89	3.33
271148080141202	M -1157			10-27-88	3.36
				02-15-89	1.69
				05-01-89	2.33
				07-24-89	2.35
271150080164201	M -1256	27 11 50 N	080 16 42 W	04-24-89	2.51
				05-02-89	2.57
271202080132501	M -1159	27 12 02 N	080 13 25 W	10-27-88	4.22
				02-15-89	2.96
				05-01-89	3.40
				07-24-89	3.57
271215080200802	M -1247	27 12 15 N	080 20 08 W	10-31-88	10.10
				05-02-89	11.04
271217080232801	M -1248	27 12 17 N	080 23 28 W	10-31-88	19.42
				05-02-89	22.37

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
271217080285301	M -1240	27 12 17 N	080 28 53 W	10-31-88	19.86
271217080285301	M -1240	27 12 17 N	080 28 53 W	05-01-89	20.93
271315080132601	M -1043	27 13 15 N	080 13 26 W	02-15-89	3.84
				05-01-89	3.36
				07-26-89	3.20
271444080141101	M -1254	27 14 44 N	080 14 11 W	05-01-89	6.11

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
265822080052403	M -1039	26 58 22 N	080 05 24 W	10-26-88	27400	8300
				12-01-88	28000	10000
				12-28-88	28700	10000
				01-20-89	27500	9400
				03-22-89	25000	9300
				05-04-89	28500	11000
				05-24-89	27000	10000
				06-28-89	26300	9200
				07-24-89	27500	9300
				08-30-89	28000	8500
				09-26-89	29500	8500
270012080060101	M -1070	27 00 12 N	080 06 01 W	10-27-88	17800	5500
				12-01-88	16900	5800
				12-28-88	17600	5500
				01-20-89	16500	5500
				02-15-89	17000	5500
				03-22-89	16500	5500
				05-02-89	18500	6000
				05-24-89	18000	6100
				06-26-89	18000	5800
				07-24-89	16900	5400
				08-30-89	19500	6000
				09-26-89	19500	5700
270042080061401	M -1095	27 00 42 N	080 06 14 W	10-27-88	1180	280
				12-01-88	1200	270
				12-28-88	890	200
				01-20-89	1220	280
				02-15-89	1040	220
				03-22-89		280
				05-02-89	1060	230
				05-24-89	1340	260
				06-26-89	1160	260
				07-24-89	1080	230
				08-30-89	1350	310
				09-26-89	1550	350
270309080072201	M -1092	27 03 09 N	080 07 22 W	10-26-88	16100	5000
				12-01-88	14500	4900
				12-28-88	13700	4500
				01-20-89	15000	4600
				02-15-89	15500	5000
				03-22-89	15200	4900
				05-01-89	15500	5000
				05-25-89	15000	5200
				06-26-89	15200	5000
				07-24-89	13200	4200
				08-30-89	16000	5000
				09-26-89	15500	4700
270320080073301	M -1044	27 03 20 N	080 07 33 W	10-26-88	495	26
				12-01-88	500	24
				12-28-88	485	24
				01-20-89	475	26
				02-15-89	465	20
				03-22-89	450	70
				05-01-89	450	20
				05-24-89	590	58
				06-26-89	468	20
				07-24-89	415	20
				08-30-89	550	22
				09-26-89	500	27
270543080084701	M -1057	27 05 43 N	080 08 47 W	02-15-89	990	22
				05-01-89	330	24
				07-26-89	332	18
270820080111901	M -1052	27 08 20 N	080 11 19 W	02-15-89	930	110
				05-01-89	1020	110
				07-26-89	950	100

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
270943080145701	M -1146	27 09 43 N	080 14 57 W	10-25-88	495	30
				11-30-88	498	27
				12-28-88	500	29
				01-26-89	475	28
				02-14-89	480	26
				03-24-89	490	26
				05-01-89	500	26
				06-01-89	490	24
				06-26-89	500	26
				07-24-89	492	26
				08-28-89	500	22
				09-27-89	500	26
270943080145702	M -1147			10-25-88	990	150
				11-30-88	550	35
				12-28-88	510	30
				01-26-89	492	26
				03-24-89	500	26
				05-01-89	550	26
				06-01-89	495	30
				06-26-89	510	32
				07-24-89	570	20
				08-28-89	500	22
				09-27-89	500	26
271010080122201	M -1132	27 10 10 N	080 12 22 W	10-25-88	1960	440
				11-30-88	1750	420
				12-28-88	1770	430
				01-26-89	1800	440
				02-15-89	1850	480
				03-24-89	2250	550
				05-01-89	2400	610
				06-01-89	2300	600
				06-29-89	2280	600
				07-24-89	2200	560
				08-28-89	2300	600
				09-27-89	2400	650
271017080123501	M -1165	27 10 17 N	080 12 35 W	10-25-88	575	40
				11-30-88	560	38
				12-28-88	565	40
				01-26-89	530	34
				02-15-89	530	36
				03-24-89	550	36
				05-01-89	570	34
				06-01-89	580	36
				06-26-89	550	34
				07-24-89	540	36
				08-28-89	540	34
				09-27-89	530	34
271018080125101	M -1055	27 10 18 N	080 12 51 W	10-25-88	590	34
				11-30-88	595	34
				12-28-88	600	32
				01-26-89	585	32
				02-15-89	580	32
				03-24-89	580	34
				05-01-89	610	36
				06-01-89	575	36
				06-26-89	580	36
				07-24-89	580	34
				08-28-89	590	36
				09-27-89	575	38
271109080125501	M -1010	27 11 09 N	080 12 55 W	10-25-88	590	34
				11-30-88	595	34
				12-28-88	585	32
				01-26-89	610	35
				02-15-89	720	32
				03-24-89	620	30

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY--Continued

271109080125501	M -1010	27 11 09 N	080 12 55 W	05-01-89	640	22
				06-01-89	580	30
				06-26-89	580	40
				07-24-89	600	37
				08-28-89	590	32
				09-27-89	575	44
271123080135101	M -1091	27 11 23 N	080 13 51 W	10-25-88	565	26
				11-30-88	575	25
				12-28-88	570	24
				01-26-89	560	22
				02-15-89	560	22
				03-24-89	570	22
				05-01-89	600	24
				06-01-89	560	26
				06-26-89	575	22
				07-24-89	570	22
				08-28-89	570	22
				09-27-89	565	26
271127080144701	M -1090	27 11 27 N	080 14 47 W	10-25-88	480	22
				11-30-88	485	20
				12-28-88	492	22
				01-26-89	465	18
				02-15-89	482	16
				03-24-89	472	20
				05-01-89	500	20
				06-01-89	465	16
				06-26-89	478	18
				07-24-89	475	20
				08-28-89	480	18
				09-27-89	478	18
271148080141201	M -1011	27 11 48 N	080 14 12 W	10-25-88	505	24
				11-30-88	500	25
				12-28-88	500	24
				01-26-89	540	20
				02-15-89	520	18
				03-24-89	500	18
				05-01-89	520	20
				06-01-89	500	22
				06-26-89	505	18
				07-24-89	500	18
				08-28-89	500	20
				09-27-89	500	20
271156080141201	M -1158	27 11 56 N	080 14 12 W	10-25-88	462	20
				11-30-88	450	22
				12-28-88	434	20
				01-26-89	440	20
				02-15-89	390	20
				03-24-89	380	20
				05-01-89	390	22
				06-01-89	385	24
				06-26-89	390	18
				07-24-89	392	22
				08-28-89	400	20
				09-27-89	375	22
271315080132601	M -1043	27 13 15 N	080 13 26 W	02-15-89	220	12
				05-01-89	260	16
				07-26-89	242	14

KEY TO SITE LOCATIONS ON FIGURE 15
PALM BEACH COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	261950080074301	PB 1063	364
2	262114080054001	PB 491	364
3	262114080064502	PB 1455	365
2	262117080055001	PB 490	365
2	262120080053201	PB 492	366
4	262130080055401	PB 567	366
5	262218080070101	PB 732	367
6	262253080051101	PB 1456	367
6	262313080044401	PB 1457	368
7	262317080074601	PB 1491	368
8	262424080044601	PB 1158	369
22	262424080074701	PB 1494	369
8	262335080042901	PB 895	370
8	262435080042902	PB 896	370
8	262435080042903	PB 947	371
8	262435080042904	PB 948	371
23	262435080043001	PB 1151	372
23	262435080043002	PB 1495	372
24	262435080043601	PB 1496	373
8	262436080042802	PB 1006	373
8	262442080044901	PB 1159	374
8	262453080044002	PB 1160	374
9	262534080085102	PB 900	375
10	263328080085201	PB 445	375
11	263524080124301	PB 683	376
12	263652080033801	PB 88	376
13	264005080233501	PB 99	377
14	264123080053801	PB 809	377
17	264230080120501	PB 561	378
18	264841080114901	PB 109	378
19	265106080241402	PB 831	379
25	265611080081201	PB 832	379
26	265759080052401	PB 595	380
27	265803080052502	PB 746	380
21	265812080053901	PB 565	381

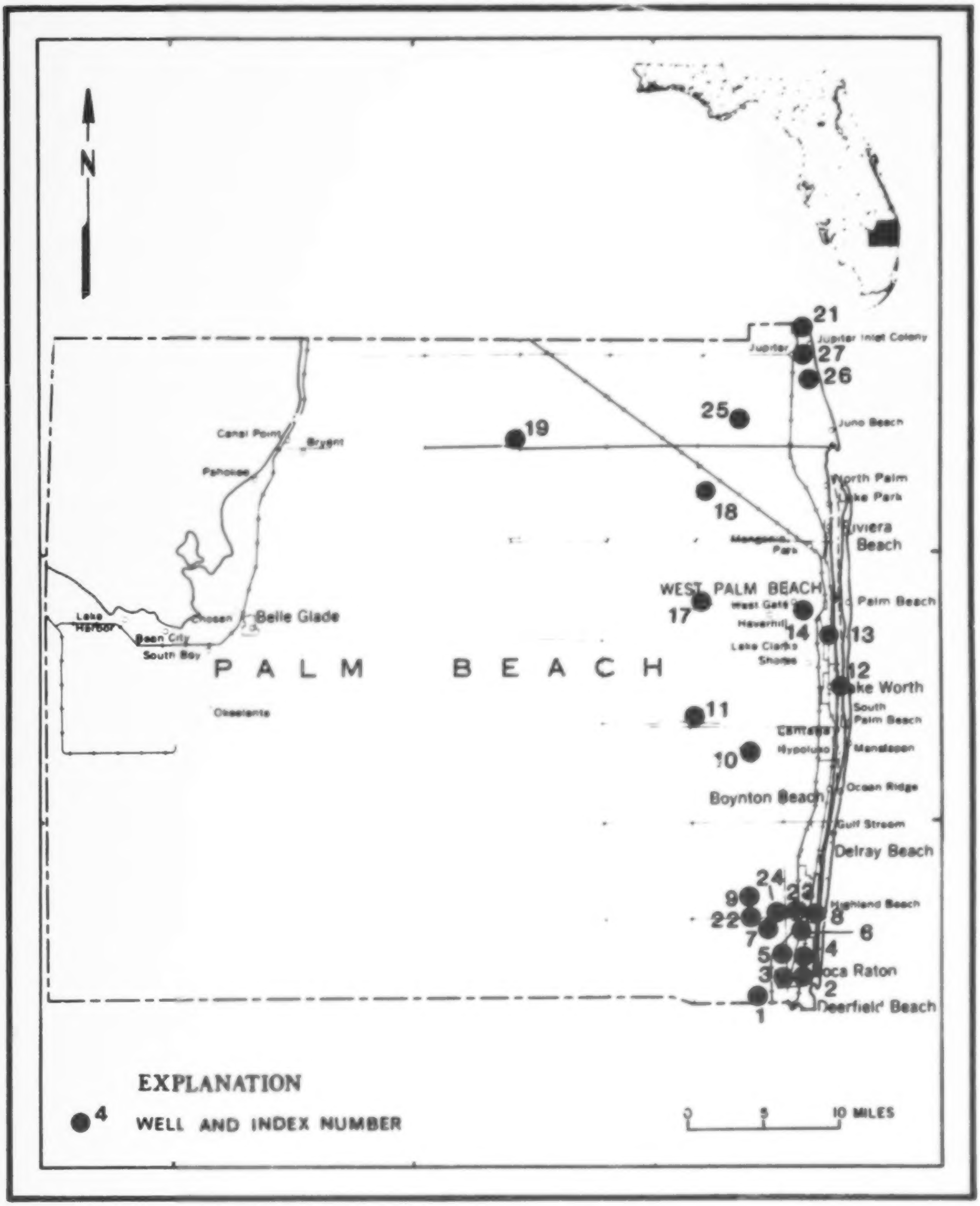
N
21
Jupiter Inlet Colony
Jupiter
27
26
25
Juno Beach
19
Canal Point
Bryant
Pahokee
North Palm
Lake Park
18
Riviera Beach
Mangonia Park
WEST PALM BEACH
West Gate
17
Haverhill
14
13
Palm Beach
Lake Clarke Shores
12
Lake Worth
Lake Harbor
Chosen
Belle Glade
Bean City
South Bay
PALM BEACH
Okeelanta
11
South Palm Beach
Cantana
Hypoluxo
Manalapan
10
Ocean Ridge
Boynton Beach
Gulf Stream
Delray Beach
24
23
9
22
Highland Beach
8
7
6
5
4
3
Boca Raton
2
1
Deerfield Beach
EXPLANATION
● 4 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 11. Location of wells in Palm Beach County.

PALM BEACH COUNTY

WELL NUMBER.--261950080074301. Local Number PB 1063. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°19'50", long 80°07'43", in NW¼SW¼NE¼ sec.35, T.47 S., R.42 E., Hydrologic Unit 03090202, 0.7 mi west and 1.3 mi south of the intersection of I-95 and Palmetto Park Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 134 ft, cased to 129 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1978 to September 1980 (intermittent), October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.03 ft NGVD, June 1, 1982; lowest measured, 6.34 ft NGVD, Feb. 23, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1300	7.23	01...	1500	6.76
24...	1505	6.58	25...	1440	6.75
NOV			JUN		
29...	1210	6.74	26...	1230	6.75
DEC			JUL		
21...	1235	7.26	25...	1315	7.14
JAN			AUG		
27...	1400	7.16	28...	1510	7.34
FEB			SEP		
23...	1200	6.34	27...	1400	7.51
MAR					
20...	1355	7.01			

WELL NUMBER.--262114080054001. Local Number PB 491. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°21'14", long 80°05'40", in NE¼SE¼SW¼ ec.20, T.47 S.,R.43 E., Hydrologic Unit 03090202, near the corner of NE 4th Avenue and NE 4th Street, 0.25 mi north and 0.4 mi east of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 207 ft, cased to 202 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to October 1982 (intermittent), November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.54 ft NGVD, Nov. 13, 1987; lowest measured, 0.90 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1220	3.86	01...	1330	2.71
24...	1345	3.60	25...	1338	2.88
NOV			JUN		
29...	1135	3.64	26...	1115	3.56
DEC			JUL		
21...	1140	3.47	26...	1052	3.44
JAN			AUG		
27...	1330	3.08	28...	1400	4.24
FEB			SEP		
21...	1200	2.40	27...	1300	4.22
MAR					
20...	1252	3.01			

PALM BEACH COUNTY

WELL NUMBER.--262114080064502. Local Number PB 1455. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°21'14", long 80°06'45", in SW¼NW¼SE¼ sec.24, T.47 S., R.42 E., Hydrologic Unit 03090202, 0.3 mi north and 0.5 mi east of the intersection of Palmetto Park Road and I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 157 ft, cased to 152 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.69 ft NGVD, July 26, 1985; lowest measured, 2.80 ft NGVD, May 25, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1545	3.99	01...	1445	2.86
24...	1545	3.91	25...	1410	2.80
NOV			JUN		
29...	1150	3.70	26...	1145	3.35
DEC			JUL		
21...	1200	3.63	26...	1045	3.53
JAN			AUG		
27...	1350	3.52	28...	1430	3.83
FEB			SEP		
21...	1200	3.17	27...	1330	3.42
MAR					
20...	1318	3.24			

WELL NUMBER.--262117080055001. Local Number PB 490. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°21"17", long 80°05'58", in SE¼NE¼sw¼ sec.19, T.47 S., R.43 E., Hydrologic Unit 03090202, near the corner of NW 6th Avenue and NW 6th Street, 0.3 mi north and 0.65 mi west of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surifical aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 127 ft, cased to 122 ft, screened 122 to 127 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.00 ft above National Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to December 1981 (intermittent), January 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.89 ft NGVD, Sept. 26, 1985; lowest measured, 0.64 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1150	1.34	01...	1245	0.92
24...	1255	2.02	25...	1245	0.83
NOV			JUN		
29...	1100	1.42	26...	1030	1.23
DEC			JUL		
21...	1110	1.33	26...	0945	1.23
JAN			AUG		
25...	1500	1.37	28...	1335	1.73
FEB			SEP		
21...	1200	0.81	27...	1245	1.58
MAR					
20...	1226	1.13			

WELL NUMBER.--262120080053201. Local Number PB 492. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°21'20", long 80°05'32", in SW¼NE¼SE¼ sec.19, T.47 S., R.43 E., Hydrologic Unit 03090202, at the corner of Diagonal Street and NW 6th Street, 0.4 mi north and 0.4 mi west of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 163 ft, cased to 161 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to February 1981 (intermittent), March 1981 to current year

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.44 ft NGVD, Sept. 26, 1985; lowest measured, 0.07 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1200	2.96	01...	1300	1.25
24...	1305	2.73	25...	1300	0.72
NOV			JUN		
29...	1105	2.14	26...	1040	1.17
DEC			JUL		
21...	1120	1.67	26...	1000	1.40
JAN			AUG		
27...	1315	1.36	28...	1345	2.59
FEB			SEP		
21...	1200	0.64	27...	1250	2.20
MAR					
20...	1237	1.37			

WELL NUMBER.--262130080055401. Local Number PB 567. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°22'00", long 80°05'42" in SW¼SW¼NE¼ sec.18, T.47 S., R.43 E., Hydrologic Unit 03090202, on the east bank of El Rio Canal at NW 17th Street, 0.25 mi north of Glades Road and 1.5 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 92 ft, cased to 90 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft NGVD, July 26, 1985; lowest measured 0.63 ft Mar. 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1130	2.08	01...	1205	1.83
24...	1235	1.63	25...	1230	1.65
NOV			JUN		
29...	1040	1.67	26...	0950	1.87
DEC			JUL		
21...	1050	2.08	26...	0930	2.61
JAN			AUG		
24...	1530	1.88	28...	1310	1.89
FEB			SEP		
21...	1200	1.11	27...	1221	2.54
MAR					
20...	1210	2.50			

PALM BEACH COUNTY

WELL NUMBER.--262218080070101. Local Number PB 732. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°22'18", long 80°07'01", in NE¼SW¼ sec.13, T.47 S., R.42 E., Hydrologic Unit 03090202, 800 ft north of Glades Road, and 1200 ft east of Military Trail in Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 100 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 10.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum. Prior to October 1988 land-surface datum was considered to be 10.43 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Water levels estimated July 12-26, 1989 water year.

PERIOD OF RECORD.--March 1974 to current year. The figures of water levels as elevations, in feet NGVD prior to October 1988 are in error. Revised records are files of Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.46 ft NGVD, Oct. 6, 1974; lowest, 3.43 ft NGVD, May 6, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.97	5.74	5.26	4.99	4.91	5.37	4.60	4.30	4.06	5.34	5.20	5.65
10	5.11	5.58	5.21	4.95	4.87	5.40	4.47	4.22	4.50	5.23	4.99	5.46
15	5.76	5.41	5.16	4.92	4.82	5.26	4.43	4.18	4.43	5.09	5.62	5.29
20	5.64	5.32	5.08	4.88	4.76	5.09	4.51	4.21	4.22	5.18	6.53	5.55
25	5.51	5.25	5.13	4.98	4.72	4.90	4.44	4.26	4.78	5.20	6.39	5.39
EOM	5.39	5.28	5.05	4.96	4.67	4.72	4.33	4.15	4.98	5.34	5.91	5.24
MEAN	5.74	5.42	5.17	4.96	4.82	5.10	4.49	4.23	4.43	5.21	5.74	5.46
MAX	6.10	5.74	5.29	5.05	4.96	5.40	4.70	4.32	4.98	5.34	6.58	5.87
MIN	5.39	5.19	5.05	4.88	4.67	4.63	4.33	4.15	4.06	5.07	4.99	5.23

WTR YR 1989 MEAN 5.07 MAX 6.58 AUG 21 AND OTHERS MIN 4.06 JUN 5

WELL NUMBER.--262253080051101. Local Number PB 1456. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°22'53", long 80°05'11", in SW¼SW¼SW¼ sec.8, T.47 S., R.43 E., Hydrologic Unit 03090202, 0.7 mi west and 1.0 mi south of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 181 ft, cased to 175 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .79 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--March 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.05 ft NGVD, Sept. 26, 1985; lowest measured, 2.27 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1105	4.69	01...	1135	2.80
24...	1150	4.01	25...	1207	2.38
NOV			JUN		
29...	1030	3.56	26...	0923	2.27
DEC			JUL		
21...	1020	7.18	26...	0854	2.60
JAN			AUG		
27...	1300	3.20	28...	1130	4.24
FEB			SEP		
21...	1200	3.06	27...	1150	4.35
MAR					
20...	1150	3.81			

PALM BEACH COUNTY

WELL NUMBER.--262313080044401. Local Number PB 1457. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°23'13", long 80°04'44", in SW¼SW¼NE¼ sec.8, T.47 S., R.43 E., Hydrologic Unit, 03090202, approximately 0.05 mi north and 0.1 mi west of the intersection of Spanish River Boulevard and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, [illegible] ft NGVD, Sept. 26, 1985; lowest measured, [illegible] ft NGVD, May 25, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1045	4.68	01	1100	3.74
24...	1115	4.86	25	1150	3.26
NOV			JUN		
29...	1005	4.32	26	0850	3.73
DEC			JUL		
21...	1010	4.39	26	0830	3.86
JAN			AUG		
24...	1430	3.91	28	1110	4.13
FEB			SEP		
21...	1200	3.41	27	1145	4.55
MAR					
20...	1130	4.02			

WELL NUMBER.--262317080074601. Local Number PB 1491. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°23'17", long 80°07'46", in SE¼NE¼ sec.11, T.47 S., R.42 E., Hydrologic Unit 03090202, on the east bank of E-3 canal approximately 0.5 mi south of Northwest 51st Street (Yamato Road) at Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, test well, diameter 6 in., depth 138 ft, cased to 88 ft, screened 88 to 138 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 18.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.81 ft above land-surface datum.

REMARKS.--Missing record Jan. 4-27, 1989 water year. Unable to estimate missing record due to influence by pumping wells.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.22 ft NGVD, Apr. 3, 1986; lowest, 3.04 ft below NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.31	-2.03	-1.30	---	-1.45	-1.56	-2.81	-1.84	-2.69	1.56	-0.49	3.66
10	-0.19	-1.48	-0.86	---	.31	-1.55	-2.91	-1.84	-2.29	.10	1.04	2.72
15	-0.58	-1.85	-1.05	---	-1.81	-1.77	-3.02	-2.02	-1.47	.07	1.70	4.2
20	-0.86	-1.51	-1.67	---	-2.20	-2.29	-2.10	-1.94	-2.71	1.35	3.48	5.3
25	-0.97	-2.21	-0.53	---	-2.03	-2.47	-2.37	-0.70	-0.57	.51	2.51	4.45
EOM	-2.04	-0.38	-1.38	-1.28	-2.31	-2.68	-0.59	-2.42	-0.41	-0.27	1.90	2.91
MEAN	-0.33	-1.50	-0.97	-1.30	-1.55	-1.94	-2.50	-1.82	-2.10	.42	1.62	3.77
MAX	1.82	.00	.32	-1.10	.31	-0.15	-0.59	-0.70	-0.41	1.85	4.65	5.39
MIN	-2.04	-2.26	-1.67	-1.52	-2.31	-2.68	-3.04	-2.42	-2.74	-0.96	-0.63	1.72

WTR YR 1989 MEAN -0.63 MAX 5.39 SEP 20 MIN -3.04 APR 14

PALM BEACH COUNTY

WELL NUMBER.--262424080044601. Local Number PB 1158. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'24", long 80°04'46", in SW¼NW¼NE¼ sec.5, T.47 S., R.43 E., Hydrologic Unit 03090202, approximately 0.2 mi west and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation well, diameter 2 in., depth 16.4 ft, cased to 11.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.69 ft above land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft NGVD, Sept. 24, 1985; lowest measured, 2.50 ft NGVD, May 25, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	0925	4.24	01...	0855	2.68
24...	1045	3.34	25...	1128	2.50
NOV			JUN		
23...	0850	4.09	27...	1115	3.34
DEC			JUL		
21...	0850	3.98	25...	0903	4.06
JAN			AUG		
27...	1130	3.20	28...	0916	4.23
FEB			SEP		
24...	1015	2.57	27...	0958	4.74

WELL NUMBER.--262424080074701. Local Number PB 1494. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°24'24", long 80°07'47", in SW¼NW¼NE¼ sec.2, T.47 S., R.42 E., Hydrologic Unit 03090202, on north side of Clint Moore Road, 0.5 mi west of State Road 809 (Military Trail), and on the east bank of E-3 Canal, northwest of Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, production test well, diameter 18 in., depth 180 ft, cased to 120 ft, screened 120 to 180 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 21.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base of shelter 3.62 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 25 - Nov. 28, 1988 water year. Recorder discontinued on March 20.

PERIOD OF RECORD.--May 1985 to March 1989 (discontinued). Records of water levels prior to October 1986 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.38 ft NGVD, July 7, 1988; lowest, 10.56 ft NGVD, July 12, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.50	14.35	14.12	14.17	14.05	14.17						
10	14.68	14.35	14.27	14.13	13.87	14.22						
15	14.53	14.37	14.12	14.16	13.53	14.21						
20	14.47	14.37	14.13	14.06	13.57	14.03						
25	14.24	14.16	14.38	14.15	13.57	---						
EOM	14.24	14.31	14.18	14.18	13.78	---						
MEAN	14.50	14.30	14.23	14.15	13.77	14.19						
MAX	14.90	14.42	14.44	14.27	14.15	14.29						
MIN	14.21	14.16	14.11	14.06	13.48	14.03						

WTR YR 1989 MEAN 14.20 MAX 14.90 OCT 6 MIN 13.48 FEB 16 AND OTHERS

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

PALM BEACH COUNTY

WELL NUMBER.--262435080042901. Local Number PB 895. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 22 ft, cased to 17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, [illegible] ft above land-surface datum.

REMARKS.--Well is used for water level monitoring.

PERIOD OF RECORD.--May 1976 to April 1981, [illegible] to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, [illegible] ft NGVD, Oct. [illegible], 1978; lowest measured, [illegible] ft NGVD, Aug. [illegible], 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JUN		
04...	1035	3.24	27...	1010	2.75
24...	1035	2.98	JUL		
NOV			25...	1200	2.68
29...	0945	2.83	AUG		
DEC			28...	0935	2.90
21...	0935	2.78	SEP		
JAN			27...	1030	3.49
27...	1205	2.45			
MAY					
25...	1000	1.96			

WELL NUMBER.--262435080042902. Local Number PB 896. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 85 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.02 ft NGVD, Sept. 24, 1985; lowest measured, 0.01 ft below NGVD, Aug. 3, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1030	3.03	01...	1000	2.31
24...	1040	3.32	25...	1010	1.98
NOV			JUN		
29...	0950	2.78	27...	1020	2.71
DEC			JUL		
21...	0940	2.97	25...	0930	3.71
JAN			AUG		
27...	1200	2.64	28...	1002	3.10
FEB			SEP		
24...	1105	2.30	27...	1028	3.63
MAR					
20...	1052	2.60			

PALM BEACH COUNTY

WELL NUMBER.--262435080042903. Local Number PB 947. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 113 ft, cased to 87 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.21 ft above National Geodetic Vertical Datum of 1929. Measuring point. Top of casing, 3.50 ft above land-surface datum

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1976 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.95 ft NGVD, Sept. 24, 1985; lowest measured, 1.22 ft NGVD, Apr. 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1025	3.00	01...	1000	2.28
24...	1025	3.33	25...	1005	2.01
NOV			JUN		
29...	0945	2.75	27...	0940	2.72
DEC			JUL		
21...	0925	2.98	25...	0920	2.65
JAN			AUG		
27...	1200	2.63	28...	0950	3.02
FEB			SEP		
24...	1100	2.28	27...	1030	3.59
MAR					
20...	1050	2.56			

WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ in sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 175 ft, cased 170 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape

DATUM.--Land-surface datum is 12.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.08 ft above land-surface datum

REMARKS.--Well is used for salinity monitoring

PERIOD OF RECORD.--November 1976 to current year. Records of water level prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.02 ft NGVD, Jan. 17, 1977; lowest measured, 0.69 ft NGVD, May 25, 1989

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1020	1.88	01...	1000	1.04
24...	1015	2.25	25...	1015	0.69
NOV			JUN		
29...	0935	1.47	27...	0950	1.38
DEC			JUL		
21...	0930	1.78	25...	0930	1.27
JAN			AUG		
27...	1200	1.47	28...	1200	1.74
FEB			SEP		
24...	1055	0.80	27...	1045	2.24
MAR					
20...	1051	1.40			

PALM BEACH COUNTY

WELL NUMBER.--262435080043001. Local Number PB 1151. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'30", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 2?0 ft east of and 1.0 mi north of intersection of Yamato Road and U.S. 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 138 ft, cased to 133 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used in salinity monitoring.

[illegible]

[illegible]

[illegible]

DATE	TIME	WATER LEVEL ABOVE NGVD (FEET)	DATE	TIME	WATER LEVEL ABOVE NGVD (FEET)
OCT			MAY		
14	0945	3.[illegible]6	1[illegible]	0930	2.5[illegible]
24	1[illegible]50	1.[illegible]2	[illegible]	1045	2.29
NOV			JUN		
23	0910	3.[illegible]2	27	1010	3.12
DEC			JUL		
21	0915	[illegible].11	2[illegible]	1025	3.13
JAN			AUG		
27	1140	2.79	[illegible]	1030	[illegible]
FEB			SEP		
24	1040	2.[illegible]	27	1010	[illegible].98
MAR					
28	1030	2.71			

WELL NUMBER.--262435080043002. Local Number PB 1435. USGS Observation Well on U.S. Hwy 1 in Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'30", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, on east side of U.S. Hwy 1 adjacent to Highland Beach Water Plant.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23 ft, cased to 18 ft, slotted PVC .020 in. from 18 to 23 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 13.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.95 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.69 ft NGVD, Dec. 31, 1986; lowest, 1.90 ft NGVD, June 3-5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.17	3.68	3.48	2.56	2.18	2.43	2.14	2.16	1.90	3.83	2.82	3.14
10	3.39	3.34	3.24	2.47	2.15	2.71	2.07	2.08	2.35	3.66	2.84	3.09
15	3.15	3.03	3.06	2.40	2.12	2.69	2.22	2.25	2.05	3.35	3.31	3.01
20	3.07	3.44	2.92	2.25	2.06	2.52	2.41	2.15	1.92	3.17	3.55	4.13
25	3.01	3.11	2.87	2.47	2.16	2.37	2.42	2.03	2.74	3.00	3.29	4.05
EOM	3.10	3.56	2.67	2.32	2.07	2.23	2.22	1.91	3.63	2.93	3.13	3.65
MEAN	3.19	3.27	3.10	2.44	2.15	2.47	2.22	2.11	2.31	3.37	3.14	3.46
MAX	3.42	3.68	3.64	2.66	2.26	2.72	2.42	2.26	3.63	3.83	3.55	4.13
MIN	2.95	2.99	2.67	2.25	2.06	2.03	1.97	1.91	1.90	2.93	2.79	2.98

WTR YR 1989 MEAN 2.77 MAX 4.13 SEP 20 AND OTHERS MIN 1.90 JUN 3 AND OTHERS

WELL NUMBER.--262435080043601. Local Number PB 1496. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'36", in SE¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 1.0 mi north of road intersection with Yamato Road on highway U.S. 1 in Boca Raton, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 2 in., depth 200 ft, cased to 195 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 0.5 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--December 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.96 ft NGVD, Dec. 31, 1966; lowest measured, 1.61 ft NGVD, May 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	0930	2.80	01...	0910	1.61
24	0945	3.20	25...	1116	1.66
NOV			JUN		
29	0900	2.68	26...	1155	2.83
DEC			JUL		
21	0900	2.61	25...	1040	2.75
JAN			AUG		
27...	1130	2.64	28...	1040	2.72
FEB			SEP		
24	1025	1.64	27...	1115	3.49
MAR					
20	1020	2.16			

WELL NUMBER.--262428080042802. Local Number PB 1006. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'28", long 80°04'28", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east of U.S. Highway 1 and 1.0 mi north of the intersection of Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 20 ft, cased to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land surface datum is 8.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface datum.

PERIOD OF RECORD.--January 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.44 ft NGVD, Oct. 4, 1984; lowest measured, 1.15 ft NGVD, Apr. 5, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1000	2.44	01...	0950	1.84
24...	1005	2.52	JUN		
NOV			27...	1030	2.08
29...	0920	2.15	JUL		
DEC			25...	0915	2.08
21...	0925	2.34	AUG		
JAN			28...	0930	2.22
27...	1155	1.98	SEP		
FEB			27...	1023	2.54
24...	1050	1.87			
MAR					
20...	1046	1.96			

PALM BEACH COUNTY

WELL NUMBER.--262442080044901. Local Number PB 1159. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'42", long 80°04'49", in NW¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 0.25 mi west and 1.35 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation well, diameter 2 in., depth 17 ft, cased to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF REOCRD.--Highest water level measured, 7.47 ft NGVD, Sept. 24, 1985; lowest measured, 1.69 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0915	3.51	20...	0955	2.61
24...	0925	3.03	MAY		
NOV			01...	0845	2.48
29...	0843	3.26	25...	1138	2.40
DEC			JUN		
21...	0840	3.36	27...	1055	2.92
JAN			JUL		
27...	1120	2.57	25...	0850	3.92
FEB			SEP		
24...	1005	1.69	27...	0944	4.64

WELL NUMBER.--262453080044001. Local Number PB 1160. USGS Observation Well located at Boca Raton, FL.

LOCATION.--Lat 26°24'53", long 80°04'40", in SW¼SE¼NE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 0.15 mi west and 1.7 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation well, diameter 2 in., depth 22 ft, cased to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft NGVD, July 26, 1988; lowest measured, 3.81 ft NGVD, Mar. 28, 1985, and Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
04...	0920	5.24	01...	0830	4.05
24...	0930	4.69	25...	1132	3.96
NOV			JUN		
29...	0845	4.90	27...	1110	4.61
DEC			JUL		
21...	0845	4.76	25...	0856	5.36
JAN			AUG		
27...	1125	4.15	28...	0910	5.44
FEB			SEP		
24...	1010	3.81	27...	0952	6.01
MAR					
20...	1010	8.43			

PALM BEACH COUNTY

WELL NUMBER.--262534080085102. Local Number PB 900. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°25'34", long 80°08'51", in SW¼NW¼ sec.27, T.46 S., R.42 E., Hydrologic Unit 03090202, on Center Road, 1.5 mi south of Delray Road, 3.5 mi east of U.S. Highway 441, and 3.5 mi west of Delray Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 63.0 ft, cased to 63.0 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 19.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of metal base, 2.80 ft above land-surface datum.

REMARKS.--Water levels estimated Mar. 20 and Apr. 28, 1989 water year.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.44 ft NGVD, Apr. 25, 1979; lowest, 9.66 ft NGVD, Mar. 27, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.12	14.93	14.25	14.37	14.27	14.25	14.09	14.08	13.82	15.16	14.11	14.52
10	14.33	14.55	14.49	14.44	14.11	14.37	13.88	12.39	14.47	14.74	14.10	14.42
15	14.43	14.74	14.44	14.51	13.87	14.41	13.92	12.74	14.07	14.31	14.78	14.25
20	14.33	14.55	14.39	14.58	13.95	14.39	14.37	13.97	13.93	14.36	15.27	14.68
25	14.26	14.29	14.53	14.42	13.93	9.75	14.31	13.94	14.27	14.43	14.66	14.25
EOM	14.23	14.55	14.30	14.49	14.58	13.89	14.31	13.86	14.84	14.28	14.59	14.11
MEAN	14.30	14.58	14.42	14.47	14.09	13.42	14.07	13.59	14.21	14.64	14.55	14.36
MAX	14.53	15.04	14.82	14.66	14.58	14.65	14.51	14.35	14.86	15.55	15.27	14.76
MIN	14.03	14.21	14.24	14.35	13.85	9.66	13.39	11.53	13.77	14.21	13.99	14.11

WTR YR 1989 MEAN 14.23 MAX 15.55 JUL 1 AND OTHERS MIN 9.66 MAR 27

WELL NUMBER.--263328080085201. Local Number PB 445. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°33'28", long 80°08'52", in SE¼NW¼ sec.10, T.45 S., R.42 E., Hydrologic Unit 03090202, 2.2 mi west of State Highway 809, 2.3 mi south of Lantana Road, and 9.5 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11.4 ft, cased to 11.4 ft.

REVISED RECORDS.--WDR FL-81-2B: 1980.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 20.20 ft above National Geodetic Vertical Datum of 1929. Prior to October 1975, land-surface datum was considered to be 19.00 ft NGVD. Measuring point: Top of casing, 2.60 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Water levels estimated Mar. 22 - Apr. 28, 1989 water year.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. Published figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.24 ft NGVD, present datum, Oct 31, 1965; lowest, 16.04 ft NGVD, present datum, May 12, 1967, Mar. 25-26, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.41	17.61	17.39	16.87	17.38	17.11	17.24	17.22	16.47	17.33	16.91	17.61
10	17.26	17.58	17.49	17.26	17.35	17.31	17.15	16.98	16.73	17.10	16.70	18.01
15	17.36	17.60	17.44	17.36	17.28	17.45	17.65	17.29	16.92	16.81	16.89	17.66
20	17.41	17.60	17.41	17.51	17.29	17.49	17.81	17.13	16.66	17.14	17.43	17.52
25	17.38	17.27	17.14	17.39	17.23	17.33	17.68	16.76	16.56	16.99	17.33	17.45
EOM	17.36	17.49	16.96	17.52	17.50	17.30	17.49	16.48	16.87	17.09	17.45	17.29
MEAN	17.40	17.52	17.38	17.31	17.34	17.34	17.48	17.00	16.65	17.09	17.17	17.56
MAX	17.59	17.72	17.58	17.66	17.50	17.56	17.82	17.49	16.98	17.34	17.70	18.07
MIN	17.26	17.20	16.96	16.85	17.19	17.01	17.15	16.48	16.38	16.81	16.70	17.29

WTR YR 1989 MEAN 17.27 MAX 18.07 SEP 9 MIN 16.38 JUN 2

PALM BEACH COUNTY

WELL NUMBER --263524080124301. Local Number PB 683. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°35'24", long 80°12'43", in NW¼NW¼ sec 37, T.44 S., R.41 E., Hydrologic Unit 03090202, west of U.S. Highway 441, south of Lantana Road near Channel 5 T.V. tower, and 11 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter [illegible] in., depth 17 ft, cased to 17 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 16.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

REMARKS.--Water levels estimated July 16 - July 27, 1989 water year.

PERIOD OF RECORD.--October 1974 to May 1977, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, [illegible] ft NGVD (estimated), July 8, 1988; lowest, [illegible] ft NGVD, May 5-8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.60	13.36	12.86	12.80	12.61	13.43	14.45	13.98	12.58	13.76	12.99	14.86
10	13.46	13.19	12.96	12.75	12.52	13.51	13.93	13.64	12.74	14.50	12.93	14.65
15	13.24	13.05	12.98	12.72	12.43	13.25	13.95	13.53	12.48	13.91	13.77	14.15
20	13.14	13.06	12.85	12.70	12.35	13.49	15.36	13.39	12.31	13.63	14.35	13.94
25	13.00	13.06	12.99	12.82	12.30	13.17	14.53	13.06	12.89	13.45	14.52	13.62
EOM	12.86	12.92	12.88	12.68	12.42	[illegible]	14.37	12.77	13.31	13.17	14.61	13.49
MEAN	13.28	13.09	12.94	12.76	12.46	13.35	14.49	13.50	12.69	13.77	13.85	14.19
MAX	13.80	13.36	13.02	12.86	12.67	14.22	15.41	14.38	13.31	14.51	15.28	15.05
MIN	12.86	12.84	12.85	12.68	12.29	12.76	[illegible]	12.77	12.31	13.17	12.84	13.49

WTR YR 1989 MEAN 13.37 MAX 15.41 APR 21 MIN 12.29 FEB 26 AND OTHERS

WELL.--263652080033801. Local Number PB 88. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'52", long 80°03'38, in NE¼NE¼ sec.28, T.44 S., R.43 E., Hydologic Unit 03090202, at south west corner of South F Street and First Avenue in Lake Worth, and 2.0 mi south of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 16 ft, gravel-packed 12 to 17 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.44 ft above National Geodetic Vertical Datum 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Water levels estimated Dec. 21-24, Mar. 31 - Apr. 2, July 1-11, Aug. 14-19 and Sept. 18-20, 1989 water year.

PERIOD OF RECORD.--January 1944 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.47 ft NGVD, Oct. 5, 1948; lowest, 2.02 ft NGVD, June 28-30, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.08	4.41	3.96	4.64	3.74	3.08	3.37	2.96	2.36	2.95	2.48	2.96
10	4.97	4.41	3.89	4.42	3.64	2.98	3.19	2.87	2.30	3.10	2.38	2.82
15	4.85	4.34	3.79	4.28	3.55	2.91	2.95	2.78	2.22	2.92	2.60	2.67
20	4.73	4.23	3.68	4.13	3.42	2.84	3.14	2.77	2.14	2.77	3.61	3.50
25	4.58	4.13	4.96	4.02	3.27	2.77	3.21	2.70	2.06	2.69	3.26	3.40
EOM	4.39	4.03	4.87	3.86	3.19	3.00	3.07	2.44	2.02	2.58	3.10	3.32
MEAN	4.82	4.28	4.24	4.28	3.53	2.91	3.22	2.80	2.21	2.83	2.86	3.09
MAX	5.24	4.42	5.50	4.85	3.84	3.17	4.00	3.05	2.43	3.15	3.61	3.93
MIN	4.39	4.03	3.68	3.86	3.19	2.67	2.95	2.44	2.02	2.50	2.33	2.62

WTR YR 1989 MEAN 3.42 MAX 5.50 DEC 23 MIN 2.02 JUN 28 AND OTHERS

PALM BEACH COUNTY

WELL NUMBER.--264005080233501. Local Number PB 99. USGS Observation Well at West Palm Beach, FL.

LOCATION.--Lat 26°40'14", long 80°03'35", in SW¼NE¼ sec.4, T.44 S., R.43 E., Hydrologic Unit 03090202, at Garden Avenue, 75 ft north of Bradley Street in West Palm Beach and 0.2 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 6 in., depth 18 ft, cased to 16 ft gravel-packed 14 to 18 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1948 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Oct. 6, 1948; lowest, 5.01 ft NGVD, March 23, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.94	8.27	7.44	7.63	6.97	6.63	6.68	7.54	6.82	7.34	6.79	7.19
10	8.08	8.16	7.32	7.46	6.92	6.65	6.55	7.33	6.74	7.34	6.86	7.11
15	7.90	7.94	7.22	7.31	6.83	6.57	8.10	7.20	6.64	7.19	6.89	6.96
20	7.78	7.83	7.13	7.20	6.73	6.56	7.78	7.11	6.58	7.08	6.93	7.18
25	7.62	7.68	7.16	7.12	6.57	6.49	7.75	7.00	6.54	6.98	6.99	7.11
EOM	7.47	7.54	7.03	7.08	6.59	6.66	7.62	6.89	7.15	6.88	7.28	7.00
MEAN	7.84	7.92	7.33	7.34	6.82	6.57	7.22	7.22	6.73	7.15	6.92	7.12
MAX	8.08	8.27	7.51	7.79	7.07	6.66	8.10	7.62	7.15	7.35	7.28	7.28
MIN	7.47	7.54	7.03	7.05	6.54	6.41	6.41	6.89	6.54	6.88	6.74	6.95

WTR YR 1989 MEAN 7.18 MAX 8.27 NOV 5 AND OTHERS MIN 6.41 MAR 30 AND OTHERS

WELL NUMBER.--264123080053801. Local Number PB 809. USGS Observation Well at West Palm Beach, FL.

LOCATION.--Lat 26°41'23", long 80°05'38", in NW¼NE¼ sec 31, T.43 S., R.43 E., Hydrologic Unit 03090202, near water plant tank and 8th Street in West Palm Beach, 1 mi north of State Highway 98, and 2.5 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water table well, diameter 4 in., depth 150 ft, cased to 145 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.00 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 28 - Mar. 20, 1989 water year.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.80 ft NGVD, Oct. 23, 1983; lowest, 4.83 ft NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.20	10.79	9.87	9.59	9.36	9.10	9.39	10.03	9.39	10.31	9.89	10.43
10	11.05	10.42	9.80	9.53	9.35	9.48	9.26	9.87	9.52	10.14	10.67	10.25
15	10.70	10.22	9.79	9.52	9.34	9.35	10.19	9.93	9.35	9.90	10.66	10.02
20	10.37	10.09	9.65	9.46	9.21	9.45	10.49	9.76	9.45	10.08	11.15	10.12
25	10.18	10.02	9.94	9.47	9.18	9.53	10.28	9.63	9.35	9.86	10.89	10.07
EOM	10.08	10.05	9.73	9.39	9.12	9.52	10.13	9.49	10.31	10.09	10.45	9.94
MEAN	10.45	10.26	9.83	9.53	9.28	9.37	9.88	9.81	9.53	10.08	10.51	10.17
MAX	11.05	10.79	10.05	9.68	9.38	9.62	10.52	10.13	10.31	10.34	11.15	10.56
MIN	10.08	9.92	9.65	9.39	9.12	9.00	9.18	9.49	9.26	9.74	9.81	9.94

WTR YR 1989 MEAN 9.90 MAX 11.15 AUG 20 AND OTHERS MIN 9.00 MAR 3

WELL NUMBER.--264230080120501. Local Number PB 561. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°42'30", long 80°12'05", in NW¼NW¼ sec.30, T.43 S., R.42 E., Hydrologic Unit 03090202, near intersection of Okeechobee Road and State Highway 441, 12.5 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 11.3 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 18.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.81 ft above land-surface datum.

REMARKS.--Water levels estimated May 15-30, 1989 water year.

PERIOD OF RECORD.--October 1970 to April 1977, May 1979 to current year. Records of water levels prior to October 1973, are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.93 ft NGVD, Nov. 5, 1971; lowest, 10.94 ft NGVD, Mar. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.62	12.75	12.25	11.74	11.30	11.51	11.41	12.23	11.15	11.71	12.01	12.70
10	14.15	12.76	12.14	11.66	11.22	11.65	11.49	12.06	11.40	12.11	11.98	12.65
15	13.81	12.72	12.05	11.57	11.14	11.71	11.41	11.86	11.28	12.12	12.44	12.54
20	13.45	12.61	11.96	11.51	11.07	11.71	12.30	11.70	11.10	12.06	12.49	12.75
25	13.19	12.49	11.88	11.43	11.00	11.65	12.41	11.53	10.95	12.01	12.82	12.71
EOM	12.91	12.37	11.81	11.36	10.95	11.51	12.33	11.34	11.44	11.97	12.76	12.61
MEAN	13.60	12.65	12.05	11.57	11.15	11.59	11.86	11.85	11.22	11.97	12.39	12.66
MAX	14.17	12.86	12.35	11.80	11.35	11.71	12.41	12.31	11.44	12.13	12.82	12.76
MIN	12.91	12.37	11.81	11.36	10.95	10.94	11.41	11.34	10.95	11.47	11.94	12.49

WTR YR 1989 MEAN 12.05 MAX 14.17 OCT 8 AND OTHERS MIN 10.94 MAR 1

WELL NUMBER.--264841080114901. Local Number PB 109. USGS Observation Well near Lake Park, FL.

LOCATION.--Lat 26°48'41", long 80°11'49", in SW¼SW¼ sec.18, T.42 S., R.42 E., Hydrologic Unit 03090202, on north side of Northlake Boulevard, 2.7 mi west of Bee Line Highway, and 7.3 mi west of Lake Park.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 14 ft, cased to 9 ft, gravel-packed 8 to 14 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 17.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.80 ft above land-surface datum.

REMARKS.--Water levels estimated June 17-29, 1989 water year.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.73 ft NGVD, Oct. 9, 1953; lowest, 14.64 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.20	18.10	17.50	16.89	15.89	17.33	16.76	16.66	14.99	15.72	17.13	17.81
10	18.21	18.00	17.37	16.66	15.72	17.56	16.31	16.19	15.56	15.33	17.63	17.45
15	18.10	17.92	17.46	16.52	15.58	17.21	17.07	16.26	15.10	15.01	17.38	17.24
20	18.08	17.82	17.20	16.31	15.54	17.47	17.86	15.71	14.80	17.71	17.79	17.14
25	17.96	17.73	17.31	16.46	15.41	17.11	17.32	15.42	14.75	17.58	17.39	16.88
EOM	17.86	17.68	17.12	16.08	15.78	16.70	17.23	15.16	15.18	17.62	17.40	16.49
MEAN	18.09	17.89	17.42	16.58	15.66	17.28	16.96	15.98	15.08	16.43	17.39	17.24
MAX	18.31	18.23	17.76	17.07	16.04	17.76	17.86	17.14	15.70	17.75	17.79	17.97
MIN	17.80	17.67	17.12	16.08	15.36	16.17	16.15	15.16	14.65	15.01	16.92	16.49

WTR YR 1989 MEAN 16.84 MAX 18.31 OCT 6 MIN 14.65 JUN 23

PALM BEACH COUNTY

WELL NUMBER.--265106080241402. Local Number PB 831. USGS Observation Well near Loxahatchee, FL.

LOCATION.--Lat 26°51'06", long 80°24'14", in SE¼NW¼ sec.2, T.42 S., R.39 E., Hydrologic Unit 03090202, in Corbett Wildlife Management Area, 12.0 mi north of Pump Station 5 A, and 13.5 mi north of Loxahatchee.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is about 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum. Prior to October 1988, land-surface datum was considered to be 22.00 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Water levels estimated Oct. 1, 1988 and July 19-26, 1989 water year.

PERIOD OF RECORD.--November 1974 to current year. The figures of water levels as elevations in feet NGVD. Prior to October 1988 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.66 ft NGVD, Sept. 26, 1989; lowest, 17.17 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.13	20.86	19.88	19.42	19.32	19.77	19.75	19.04	18.53	20.35	20.17	22.42
10	20.94	20.65	19.77	19.34	19.19	20.18	19.66	18.83	19.40	19.93	20.16	22.03
15	20.93	20.40	20.05	19.27	19.09	19.99	19.48	18.89	19.20	20.95	21.56	21.73
20	20.83	20.23	19.75	19.25	18.97	19.91	19.41	18.83	19.51	20.49	22.23	22.45
25	20.36	20.31	19.63	19.58	18.93	19.68	19.23	19.07	19.75	19.69	22.31	22.45
EOM	20.17	20.09	19.52	19.46	18.90	19.49	19.20	18.74	20.08	19.80	21.95	22.44
MEAN	20.81	20.40	19.80	19.40	19.12	19.80	19.49	18.93	19.33	20.23	21.36	22.27
MAX	21.28	20.95	20.09	19.58	19.43	20.18	19.86	19.24	20.08	20.95	22.45	22.66
MIN	20.17	20.09	19.52	19.21	18.90	18.88	19.06	18.72	18.53	19.57	19.68	21.73

WTR YR 1989 MEAN 20.08 MAX 22.66 SEP 26 MIN 18.53 JUN 5

WELL NUMBER.--265611080081201. Local Number PB 832. USGS Observation Well at Jupiter, FL.

LOCATION.--Lat 26°56'11", long 80°08'12", in NE¼SE¼NW¼ sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, approximately .3 mi north and 1.0 mi east of intersection of S.R. 706 and I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 153 ft, cased to 141 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 2.72 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.81 ft NGVD, Oct. 23, 1974; lowest measured, 1.00 ft below NGVD, June 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
27...	1435	1.94	24...	1200	-0.42
DEC			JUN		
01...	1330	1.16	28...	1300	-1.00
28...	1315	0.37	JUL		
JAN			25...	1300	0.63
20...	1330	0.18	AUG		
FEB			30...	1100	0.14
21...	1200	-0.39	SEP		
MAR			26...	1135	0.02
22...	1015	0.35			

PALM BEACH COUNTY

WELL NUMBER.--265759080052401. Local Number PB 595. USGS Observation Well at Tequesta, Fl.

LOCATION.--Lat 26°57'59", long 80°05'24", in NE¼SW¼NW¼ sec.30, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately .5 mi west and .2 mi south of U.S. 1 and Martin County line in Tequesta, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 115 ft, cased to 114 ft.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 18.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft NGVD, May 15, 1981; lowest measured, 0.07 ft below NGVD, June 20, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1415	1.50	04...	0920	1.24
DEC			24...	1102	0.78
01...	1315	1.50	JUN		
28...	1300	0.97	28...	1420	0.25
JAN			JUL		
20...	1300	0.66	24...	1130	0.38
MAR			AUG		
22...	0946	0.92	30...	1022	0.65
			SEP		
			26...	1108	0.83

WELL NUMBER.--265803080052502. Local Number PB 746. USGS Observation Well at Tequesta, FL.

LOCATION.--Lat 26°58'03", long 80°05'25", in NE¼SW¼NE¼ sec.30, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately .5 mi west and .2 mi south of U.S. Highway 1 at Martin County line in Tequesta, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 1¼ in., depth 83 ft, cased to 82 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.83 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.32 ft NGVD, Nov. 13, 1978; lowest measured, 0.06 ft below NGVD, Dec. 30, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1400	2.82	04...	0935	2.09
DEC			24...	1111	1.27
01...	1300	2.73	JUN		
28...	1245	2.31	28...	1410	1.45
JAN			JUL		
20...	1230	1.91	24...	1115	1.58
FEB			AUG		
21...	1200	0.09	30...	1030	1.84
MAR			SEP		
22...	0940	2.21	26...	1109	2.02

PALM BEACH COUNTY

WELL NUMBER.--265812080053901. Local Number PB 565. USGS Observation Well at Tequesta, FL.

LOCATION.--Lat 26°58'12", long 80°05'39", in NE¼NE¼ sec.25, T.40 S., R.42 E., Hydrologic Unit 03090202, near intersection of Old Dixie Highway and County Line Road in Tequesta, and 0.1 west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21.9 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Land-surface datum is 14.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.24 ft above land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.39 ft NGVD, Dec. 12, 1978; lowest, 0.23 ft NGVD, Feb. 22, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.60	2.46	1.92	1.14	.92	.78	1.38	2.11	1.48	1.21	1.26	1.08
10	2.94	2.49	1.87	.98	.85	1.07	1.21	1.77	1.70	1.33	1.33	1.17
15	2.76	2.31	1.81	.99	.76	1.13	1.43	1.96	1.41	1.32	1.17	1.14
20	2.61	2.14	1.73	.95	.62	1.46	2.20	2.19	1.09	1.17	1.46	1.39
25	2.47	2.06	1.55	1.15	.47	1.44	2.31	2.08	.88	1.48	1.60	1.51
EOM	2.10	1.99	1.27	1.10	.40	1.58	2.38	1.66	.97	1.59	1.29	1.24
MEAN	2.63	2.25	1.73	1.07	.73	1.18	1.79	1.99	1.31	1.31	1.38	1.24
MAX	2.94	2.51	1.98	1.26	1.07	1.58	2.47	2.35	1.71	1.59	1.61	1.51
MIN	2.10	1.99	1.27	.93	.40	.50	1.18	1.66	.88	1.01	1.17	1.04

WTR YR 1989 MEAN 1.56 MAX 2.94 OCT 8 AND OTHERS MIN .40 FEB 27 AND OTHERS

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
261938080100802	PB -1617	26 19 38 N	080 10 08 W	10-25-88	7.09
				05-04-89	6.89
261938080101001	PB -1105	26 19 38 N	080 10 10 W	10-25-88	8.25
				05-04-89	7.81
261950080078302	PB -1618	26 19 50 N	080 07 38 W	02-23-89	8.87
				05-01-89	8.62
				07-25-89	8.83
262007080045801	PB - 502	26 20 07 N	080 04 58 W	10-24-88	3.50
				02-15-89	2.35
				05-01-89	2.65
262018080063801	PB - 752	26 20 18 N	080 06 38 W	10-24-88	4.37
				02-15-89	2.50
				05-01-89	2.35
				07-26-89	3.05
262026080050001	PB - 454R	26 20 26 N	080 05 00 W	10-24-88	3.82
				02-24-89	2.97
				07-26-89	2.53
262030080053001	PB - 452R	26 20 30 N	080 05 30 W	10-24-88	3.14
262037080055801	PB - 543	26 20 37 N	080 05 58 W	10-24-88	2.38
				02-15-89	1.62
				07-26-89	1.88
262038080071501	PB -1077	26 20 38 N	080 07 15 W	10-24-88	6.57
				02-15-89	5.78
				05-01-89	5.54
				07-25-89	6.44
262045080052401	PB - 465	26 20 45 N	080 05 24 W	10-24-88	2.91
				02-15-89	1.72
				05-01-89	1.62
				07-25-89	2.86
262057080044801	PB - 462	26 20 57 N	080 04 49 W	10-24-88	2.84
				10-24-88	2.84
				02-15-89	1.87
				05-01-89	2.24
				07-26-89	2.58
262057080074901	PB -1076	26 20 57 N	080 07 49 W	10-25-88	6.65
				02-15-89	7.28
				05-01-89	7.23
				07-26-89	7.87
262102080054701	PB - 450	26 21 02 N	080 05 47 W	10-24-88	2.40
				02-15-89	1.13
				05-01-89	1.23
				07-26-89	1.77
262108080071501	PB - 754	26 21 08 N	080 07 15 W	10-25-88	2.97
				02-23-89	2.19
				05-01-89	2.83
				07-26-89	3.22
262114080054001	PB - 491	26 21 14 N	080 04 55 W	10-04-88	3.86
				10-24-88	3.60
				11-29-88	3.64
				12-21-88	3.47
				01-27-89	3.08
				02-21-89	2.40
262114080054002	PB - 500	26 21 14 N	080 05 40 W	10-24-88	3.34
				02-15-89	1.25
				05-01-89	2.11
				07-26-89	2.92

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
262114080064501	PB - 753	26 21 14 N	080 06 45 W	10-24-88	2.61
				02-15-89	2.24
				05-01-89	2.34
				07-26-89	2.34
262117080055002	PB - 498			10-24-88	1.95
				02-23-89	0.99
				05-01-89	0.90
				07-26-89	1.26
262129080044801	PB - 460	26 21 29 N	080 04 48 W	10-24-88	2.92
				02-15-89	1.79
				05-01-89	1.87
				07-26-89	2.25
26[illegible]32080053401	PB - 449	26 21 32 N	080 05 34 W	10-24-88	2.83
				02-24-89	0.65
				05-01-89	1.26
				07-27-89	1.54
262144080052801	PB -1454	26 21 44 N	080 05 28 W	10-24-88	2.55
				02-16-89	0.33
				05-01-89	1.65
				07-27-89	1.90
262147080101601	PB -1581	26 21 47 N	080 10 16 W	10-25-88	12.39
				05-02-89	13.65
262149080055801	PB -1075	26 21 49 N	080 05 58 W	10-25-88	2.22
				02-16-89	1.44
				05-01-89	1.70
				07-27-89	2.40
262200080050701	PB - 494	26 22 00 N	080 05 07 W	10-24-88	4.72
				02-24-89	2.63
				07-26-89	3.74
262202080052001	PB - 470	26 22 02 N	080 05 20 W	10-24-88	7.88
				02-16-89	4.96
				07-25-89	6.44
262204080102301	PB -1620	26 22 04 N	080 10 23 W	10-25-88	14.25
				05-02-89	13.94
262218080070102	PB -1619			02-16-89	4.74
				05-01-89	4.46
262225080055001	PB - 540R	26 22 25 N	080 05 50 W	10-25-88	2.55
				02-16-89	1.16
				05-01-89	2.28
				07-25-89	3.29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
262226080051201	PB - 466R	26 22 26 N	080 05 12 W	10-24-88	3.45
				02-24-89	1.81
				05-01-89	1.40
				07-26-89	2.42
262247080044001	PB - 458	26 22 47 N	080 04 40 W	10-24-88	4.26
				02-16-89	3.20
				05-01-89	3.30
				07-27-89	3.63
262251080052801	PB - 447	26 22 51 N	080 05 28 W	10-24-88	2.59
				02-16-89	1.26
				05-01-89	1.74
				07-27-89	2.91
262255080055301	PB - 541	26 22 55 N	080 05 53 W	10-25-88	3.03
				02-16-89	2.02
				05-01-89	3.11
				07-25-89	3.48
262258080062901	PB -1074	26 22 58 N	080 06 29 W	10-25-88	5.01
				02-16-89	4.37
				05-01-89	4.11
				07-25-89	4.86
262310080050101	PB - 457	26 23 07 N	080 05 27 W	10-24-88	5.61
				02-23-89	4.02
				05-01-89	3.89
				07-26-89	4.54
262311080071801	PB -1079	26 23 11 N	080 07 18 W	10-25-88	6.64
				02-16-89	8.38
				05-01-89	6.68
				07-25-89	6.10
262316080045301	PB -1453	26 23 16 N	080 04 53 W	10-24-88	7.39
				02-16-89	4.34
262342080050901	PB -1451	26 23 42 N	080 05 09 W	10-24-88	6.60
				02-16-89	5.42
262342080083401	PB -1492	26 23 42 N	080 08 34 W	10-25-88	13.46
				02-16-89	13.21
				05-01-89	13.44
				07-26-89	13.80
262346080065001	PB -1493	26 23 46 N	080 06 50 W	10-25-88	5.78
				02-16-89	5.45
				05-01-89	5.17
				07-27-89	5.75
262352080043901	PB -1452	26 23 52 N	080 04 39 W	10-24-88	2.77
				02-24-89	2.83
				05-01-89	2.98
				07-27-89	3.11
262403080141301	PB -1108	26 24 03 N	080 14 13 W	10-25-88	12.90
				05-02-89	12.94
262403080141302	PB -1630			10-25-88	12.74
				05-02-89	13.17
262424080074702	PB -1616			05-04-89	12.28

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LATITUDE	LONGITUDE	DATE	ELEVATION ABOVE NGVD (FEET) (72020)
262553080121501	PB -1573	26 25 53 N	080 12 15 W	10-25-88	15.52
				05-02-89	15.51
262553080121502	PB -1574			10-25-88	15.23
				05-02-89	15.23
262553080121504	PB -1623			10-25-88	15.53
				05-02-89	15.53
262554080085103	PB -1621	26 25 54 N	080 08 51 W	10-26-88	15.61
				05-04-89	15.49
262636080062101	PB -1605	26 26 36 N	080 06 21 W	10-26-88	7.91
				05-02-89	8.31
262636080062103	PB -1622			10-26-88	7.88
				05-02-89	8.39
262712080040701	PB - 690	26 27 12 N	080 04 07 W	10-25-88	1.70
262736080041801	PB -1624	26 27 36 N	080 04 18 W	10-26-88	1.26
				05-02-89	0.12
262736080041802	PB -1647			10-26-88	1.17
				05-04-89	0.14
262805080101601	PB -1598	26 28 05 N	080 10 16 W	10-26-88	15.78
				05-02-89	15.40
262808080131701	PB -1107	26 28 08 N	080 13 17 W	10-25-88	13.39
				05-02-89	13.12
262808080131702	PB -1631			10-25-88	13.14
				05-02-89	13.35
262853080035501	PB - 692	26 28 53 N	080 03 55 W	10-24-88	0.64
				05-03-89	-0.13
				07-26-89	-0.33
263016080033801	PB -1625	26 30 16 N	080 03 38 W	10-26-88	2.12
				05-02-89	2.00
263016080033802	PB -1626			10-26-88	2.00
				05-02-89	1.82
263021080070101	PB -1627	26 30 21 N	080 07 01 W	10-26-88	11.41
				05-02-89	11.35
263021080070102	PB -1628			10-26-88	11.30
				05-02-89	11.02
263138080095201	PB -1096	26 31 38 N	080 09 52 W	10-26-88	16.09
				05-02-89	15.88
263138080095202	PB -1629			10-26-88	16.38
				05-02-89	16.26
263144080134001	PB -1097	26 31 44 N	080 13 40 W	10-25-88	15.36
				05-02-89	15.09
263144080134002	PB -1632			10-25-88	15.33
				05-02-89	14.98
263216080061701	PB -1602	26 32 16 N	080 06 17 W	10-26-88	11.48
				05-04-89	12.26
263216080061702	PB -1603			05-04-89	12.05
263324080084601	PB -1633	26 33 24 N	080 08 46 W	10-26-88	15.12
				05-02-89	15.75
263324080084602	PB -1634			10-26-88	15.27
				05-02-89	15.37

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
263455080030802	PB - 834B	26 34 55 N	080 03 08 W	10-24-88	2.72
				05-03-89	1.80
				07-26-89	0.92
263509080102201	PB -1571	26 35 09 N	080 10 22 W	10-26-88	14.36
				05-02-89	14.91
263524080124302	PB -1641			10-25-89	15.00
				05-04-89	15.99
263527080030601	PB - 693	26 35 27 N	080 03 06 W	10-24-88	4.23
				07-26-89	3.02
263530080065001	PB -1635	26 35 30 N	080 06 50 W	10-26-88	12.93
				05-02-89	13.60
263530080065002	PB -1636			10-26-88	12.75
				05-02-89	13.44
263608080113801	PB - 935	26 36 08 N	080 11 38 W	10-26-88	14.94
				05-04-89	15.30
263608080113803	PB -1595			10-26-88	14.40
				05-04-89	14.91
263627080030401	PB - 694	26 36 27 N	080 03 04 W	10-26-88	4.37
				07-26-89	2.64
263627080030402	PB - 889			10-26-88	3.09
				05-03-89	2.97
				07-26-89	2.66
263627080030403	PB - 888			10-25-88	3.28
				05-03-89	3.55
263628080030801	PB - 949	26 36 28 N	080 03 08 W	10-26-88	4.36
				07-26-89	2.84
263656080033501	PB -1638	26 36 56 N	080 03 35 W	10-26-88	4.91
				05-02-89	3.46
263656080033502	PB -1639			05-02-89	3.45
263656080033503	PB -1640			10-26-88	4.91
				05-02-89	3.45
263702080051901	PB -1578	26 37 02 N	080 05 19 W	10-26-88	8.12
				05-02-89	6.54
263702080051904	PB -1644			10-26-88	8.26
				05-02-89	8.80
263752080120701	PB -1156	26 37 52 N	080 12 07 W	10-25-88	14.38
				05-04-89	14.56
263755080102605	PB -1155	26 37 55 N	080 10 26 W	10-26-88	12.86
				05-02-89	13.50
263816080161101	PB - 750	26 38 16 N	080 16 11 W	10-26-88	11.82
				05-02-89	12.65
263816080161102	PB - 751			10-26-88	11.81
				05-02-89	12.47
263856080101301	PB -1544	26 58 56 N	080 10 13 W	05-04-89	12.87
263856080101302	PB -1545			10-26-88	12.73
263942080164002	PB -1152	26 39 42 N	080 16 40 W	10-26-88	11.83
				05-04-89	12.45

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
264027080135004	PB -1153	26 40 27 N	080 13 50 W	10-26-88	11.99
				05-02-89	12.77
264033080060801	PB -1645	26 40 33 N	080 06 08 W	10-26-88	8.43
				05-02-89	8.38
264033080060802	PB -1646			10-26-88	8.41
				05-02-89	9.14
264041080171201	PB - 684	26 40 41 N	080 17 12 W	10-24-88	11.42
				05-04-89	11.64
264103080025901	PB - 847	26 41 03 N	080 02 59 W	10-25-88	16.83
				10-26-88	3.20
264103080025902	PB - 835B			10-26-88	3.19
				02-22-89	1.83
				05-02-89	2.25
				07-26-89	2.20
264208080192201	PB - 685	26 42 08 N	080 19 22 W	10-24-88	12.62
				05-01-89	12.43
264216080134403	PB -1157	26 42 16 N	080 13 44 W	10-24-88	12.40
				05-01-89	13.18
264225080084701	PB -1089	26 42 25 N	080 08 47 W	10-24-88	10.34
				05-01-89	9.78
264423080073501	PB - 733	26 44 23 N	080 07 35 W	10-25-88	9.93
				05-01-89	10.07
264423080073503	PB - 767			10-25-88	9.87
				05-01-89	10.61
264553080161701	PB -1534	26 45 53 N	080 16 17 W	05-01-89	17.80
264555080151703	PB -1565	26 45 55 N	080 15 17 W	10-24-88	16.97
				05-01-89	17.47
264555080151704	PB -1566			10-24-88	17.11
				05-01-89	17.60
264555080203401	PB -1533	26 45 55 N	080 20 34 W	10-25-88	17.16
				05-01-89	17.40
264643080070001	PB -1062	26 46 43 N	080 07 00 W	10-25-88	10.71
				05-01-89	11.20
264643080070002	PB -1150			10-25-88	13.02
				05-01-89	13.34
264646080031401	PB - 632	26 46 46 N	080 03 14 W	10-26-88	4.17
				02-21-89	3.36
				05-03-89	2.94
				07-26-89	2.77
264646080031403	PB - 633			10-26-88	3.88
264659080035101	PB - 618	26 46 59 N	080 03 51 W	10-26-88	7.54
				05-01-89	5.28
264659080035102	PB - 795			10-26-88	-1.73
				05-01-89	-0.26
264832080173301	PB -1529	26 48 32 N	080 17 33 W	05-02-89	18.24
264833080173401	PB -1532	26 48 33 N	080 17 34 W	05-02-89	17.75
264833080185901	PB - 666	26 48 33 N	080 18 59 W	10-25-88	16.55
264834080193401	PB -1528	26 48 34 N	080 19 34 W	05-02-89	19.33
264834080193402	PB -1558			05-02-89	18.98

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
264841080144201	PB -1531	26 48 41 N	080 14 42 W	05-02-89	18.22
264843080125001	PB -1554	26 48 43 N	080 12 50 W	05-02-89	17.10
264843080125002	PB -1555			10-25-88	16.83
				05-02-89	17.10
264843080125003	PB -1556			10-25-88	16.87
				05-02-89	17.25
264856080203702	PB -1560	26 48 56 N	080 20 37 W	10-25-88	18.35
264856080203704	PB -1562			10-25-88	17.95
265018080074101	PB - 719	26 50 18 N	080 07 41 W	05-01-89	11.23
265027080100201	PB -1084	26 50 27 N	080 10 02 W	10-26-88	13.91
				05-01-89	13.36
265027080100202	PB -1637			10-26-88	12.80
				05-01-89	12.16
265106080241401	PB - 830	26 51 06 N	080 24 14 W	10-28-88	20.52
				11-17-88	21.08
				05-02-89	19.05
265114080173101	PB - 715	26 51 14 N	080 17 31 W	10-25-88	21.19
				05-02-89	20.65
265114080173102	PB - 716			10-25-88	20.27
				05-02-89	20.08
265153080031401	PB - 921	26 51 53 N	080 03 14 W	10-26-88	1.07
				02-22-89	0.62
				05-04-89	1.25
				07-28-89	0.08
265200080031201	PB - 596	26 52 00 N	080 03 12 W	02-22-89	1.80
				05-04-89	1.95
				07-26-89	0.92
265209080032301	PB - 922	26 52 09 N	080 03 23 W	02-22-89	-0.64
				07-26-89	-1.34
265233080054001	PB -1642	26 52 33 N	080 05 40 W	10-26-88	5.02
				05-01-89	5.49
265233080054002	PB -1643			10-26-88	4.83
				05-01-89	5.46
				07-26-89	3.93
265248080103802	PB -1608	26 52 48 N	080 10 38 W	11-02-88	13.51
				05-02-89	12.81
265255080083901	PB -1521	26 52 55 N	080 08 39 W	05-01-89	13.26
265256080123201	PB -1525	26 52 56 N	080 12 32 W	05-02-89	12.85
265427080241501	PB -1613	26 54 27 N	080 24 15 W	05-02-89	23.32
265427080241502	PB -1615			05-02-89	23.90
265439080102901	PB - 880	26 54 39 N	080 10 29 W	11-02-88	11.71
				05-04-89	11.25
265439080102902	PB - 877			11-02-88	11.76
265439080102903	PB - 876			11-02-88	11.74
265439080102904	PB - 875			11-02-88	11.74
				05-04-89	11.32
265443080152001	PB -1524	26 54 43 N	080 15 20 W	10-25-88	16.79
				05-02-89	16.86

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
PALM BEACH COUNTY-Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
265443080152002	PB -1552			10-25-88	16.90
				05-02-89	16.97
265445080135601	PB - 688R	26 54 45 N	080 13 56 W	10-25-88	15.86
265508080083301	PB - 928	26 55 08 N	080 08 33 W	10-25-88	9.71
				05-01-89	8.30
265510080083401	PB - 711	26 55 10 N	080 08 34 W	10-25-88	9.72
				05-01-89	7.90
265519080171801	PB - 717	26 55 19 N	080 17 18 W	10-25-88	20.68
265519080171801	PB - 717	26 55 19 N	080 17 18 W	05-04-89	20.45
265550080071801	PB - 789	26 55 50 N	080 07 18 W	10-25-88	4.36
				05-01-89	2.51
265606080135502	PB -1547	26 56 06 N	080 13 55 W	05-02-89	15.16
265606080135503	PB -1548			05-02-89	15.03
265609080103401	PB -1648	26 56 09 N	080 10 34 W	10-25-88	10.64
				05-02-89	10.45
265609080103402	PB -1649			10-25-88	10.08
				05-02-89	10.39
265633080203001	PB - 689	26 56 33 N	080 20 30 W	10-25-88	23.94
				05-02-89	24.08

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
261950080074301	PB -1063	26 19 50 N	080 07 43 W	10-04-88	620	60
				10-24-88	665	78
				11-29-88	610	60
				12-21-88	620	64
				01-27-89	580	56
				02-23-89	510	59
				03-20-89	610	62
				05-01-89	620	60
				05-25-89	598	64
				06-26-89	580	62
				07-25-89	675	58
				08-28-89	640	60
				09-27-89	620	58
262114080054001	PB - 491	26 21 14 N	080 04 55 W	10-04-88	39000	13000
				10-24-88	37800	12000
				11-29-88	37500	13000
				12-21-88	23600	7500
				01-27-89	38200	13000
				02-21-89	18500	13000
				03-20-89	35100	12000
				05-25-89	31200	10000
				06-26-89	9100	2800
				07-26-89	39000	11000
				08-28-89	37000	12000
				09-27-89	38700	13000
262114080064502	PB -1455	26 21 14 N	080 06 45 W	10-04-88	580	26
				10-24-88	560	34
				11-29-88	540	30
				12-21-88	560	32
				01-27-89	560	30
				02-21-89	450	35
				03-20-89	238	22
				05-01-89	100	12
				05-25-89	560	34
				06-26-89	420	18
				07-26-89	575	30
				08-28-89	590	30
				09-27-89	570	30
262117080055001	PB - 490	26 21 17 N	080 05 50 W	10-04-88	1420	310
				10-24-88	1360	290
				11-29-88	1370	300
				12-21-88	1390	290
				01-25-89	1500	310
				02-21-89		330
				03-20-89	1610	370
				05-01-89	1120	300
				05-25-89	1690	400
				06-26-89	1370	400
				07-26-89	1850	430
				08-28-89	2000	450
				09-27-89	1870	470
262120080053201	PB - 492	26 21 20 N	080 05 32 W	10-04-88	485	22
				10-24-88	520	42
				11-29-88	448	48
				12-21-88	420	24
				01-27-89	460	22
				02-21-89	415	25
				03-20-89	442	24
				05-01-89	250	24
				05-25-89	430	26
				06-26-89	352	28
				07-26-89	423	22
				08-28-89	460	24
				09-27-89	450	26
262130080055401	PB - 567	26 22 00 N	080 05 42 W	10-04-88	412	28

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
262130080055401	PB - 567	26 22 00 N	080 05 42 W	10-24-88	360	30
				11-29-88	395	26
				12-21-88	460	26
				01-24-89	460	28
				02-21-89	435	30
				03-20-89	460	28
				05-01-89	360	26
				05-25-89	409	32
				06-26-89	380	32
				07-26-89	345	30
				08-28-89	430	32
				09-27-89	410	32
262138080054601	PB - 467	26 21 38 N	080 05 46 W	10-04-88	600	60
				10-24-88	580	52
				11-29-88	585	52
				12-21-88	580	62
				01-24-89	580	54
				02-21-89	520	60
				03-20-89	515	48
				05-01-89	580	42
				05-25-89	575	46
				06-26-89	510	62
				07-26-89	630	43
				08-28-89	600	47
				09-27-89	550	46
262253080051101	PB -1456	26 22 53 N	080 05 11 W	10-04-88	395	20
				10-24-88	370	30
				11-29-88	382	20
				12-21-88	370	22
				01-27-89	370	24
				02-21-89	430	25
				03-20-89	394	24
				05-01-89	160	14
				05-25-89	368	26
				06-26-89	270	24
				07-26-89	392	22
				08-28-89	410	26
				09-27-89	380	24
262313080044401	PB -1457	26 23 13 N	080 04 44 W	10-04-88	490	22
				10-24-88	485	32
				11-29-88	490	22
				12-21-88	480	28
				01-24-89	482	22
				02-21-89	425	25
				03-20-89	346	32
				05-01-89	340	34
				05-25-89	350	32
				06-26-89	393	40
				07-26-89	470	22
				08-28-89	500	25
				09-27-89	460	22
262435080042901	PB - 895	26 24 35 N	080 04 29 W	10-04-88	630	72
				10-24-88	640	110
				11-29-88	640	75
				12-21-88	615	68
				01-27-89	630	60
				05-25-89	635	68
				06-27-89	584	58
				07-25-89	600	63
				08-28-89	630	62
				09-27-89	630	64
262435080042902	PB - 896			10-04-88	485	38
				10-24-88	495	44
				11-29-88	475	42
				01-27-89	450	34

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
262435080042902	PB - 896	26 24 35 N	080 04 29 W	02-24-89	440	36
				03-20-89	475	38
				05-01-89	500	40
				05-25-89	494	38
				06-27-89	473	38
				07-25-89	530	42
				08-28-89	540	37
				09-27-89	520	38
262435080042903	PB - 947			10-04-88	492	32
				10-24-88	510	44
				11-29-88	500	44
				12-21-88	470	40
				01-27-89	460	32
				02-24-89	460	40
				03-20-89	470	38
				05-25-89	469	38
				06-27-89	467	30
				07-25-89	490	28
				08-28-89	480	30
				09-27-89	450	28
262435080042904	PB - 948			10-04-88	19500	6000
				10-24-88	21000	6700
				11-29-88	21000	7200
				12-21-88	20800	6600
				01-27-89	19500	6800
				02-24-89	20500	6500
				03-20-89	23200	7500
				05-01-89	18000	6600
				05-25-89	21600	7600
				06-27-89	19200	6600
				07-25-89	23500	7800
				08-28-89	27000	8800
				09-27-89	19800	6500
262435080043001	PB -1151	26 24 35 N	080 04 30 W	10-04-88	470	28
				10-24-88	505	32
				11-29-88	550	28
				12-21-88	510	30
				01-27-89	450	28
				02-24-89	480	30
				03-20-89	465	32
				05-01-89	460	32
				05-25-89	500	38
				06-27-89	530	32
				07-25-89	490	30
				08-28-89	500	32
				09-27-89	480	36
262435080043601	PB -1496	26 24 35 N	080 04 36 W	10-04-88	580	32
				10-24-88	615	42
				11-29-88	580	34
				12-21-88	580	38
				01-27-89	560	38
				02-24-89	570	42
				03-20-89	590	40
				05-01-89	410	24
				05-25-89	625	42
				06-26-89	528	30
				07-25-89	560	36
				08-28-89	690	45
				09-27-89	670	46
262712080040701	PB - 690	26 27 12 N	080 04 07 W	10-25-88	29700	9900
				02-21-89	32600	10000
262853080035501	PB - 692	26 28 53 N	080 03 55 W	10-24-88	37700	14000
				02-21-89		14000
				05-03-89	39000	13000
				07-26-89	38500	13000

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
263455080030802	PB - 834B	26 34 55 N	080 03 08 W	10-24-88	20500	7000
				02-22-89	19500	7000
				05-03-89	23500	7700
				07-26-89	17900	5700
263527080030601	PB - 693	26 35 27 N	080 03 06 W	10-24-88	1590	480
				02-21-89	1780	490
				07-26-89	1710	510
263627080030401	PB - 694	26 36 27 N	080 03 04 W	10-26-88	5080	1500
				02-22-89	6220	1600
				07-26-89	5750	1700
263627080030402	PB - 889			10-26-88	7600	2200
				02-22-89	7500	2300
				05-03-89	8000	2300
				07-26-89	7480	2100
263628080030801	PB - 949	26 36 28 N	080 03 08 W	10-26-88	3040	750
				02-21-89	1650	780
				07-26-89	3040	650
264103080025902	PB - 835B	26 41 03 N	080 02 59 W	10-26-88	720	270
				02-22-89	850	290
				05-02-89	780	77
				07-26-89	685	45
264646080031401	PB - 632	26 46 46 N	080 03 14 W	10-26-88	24800	7600
				02-21-89	20000	7500
				05-03-89	26500	8800
				07-26-89	5800	1700
265153080031401	PB - 921	26 51 53 N	080 03 14 W	10-26-88	29100	19000
				02-22-89	42500	20000
				05-04-89	33000	11000
				07-28-89		8500
265200080031201	PB - 596	26 52 00 N	080 03 12 W	02-22-89	750	94
				05-04-89	560	66
				07-26-89	515	52
265233080054002	PB -1643	26 52 33 N	080 05 40 W	07-26-89	430	26
265258080054001	PB - 833	26 52 58 N	080 05 40 W	02-21-89	500	12
265412080092701	PB -1520	26 54 12 N	080 09 27 W	07-18-89	500	17
265417080130301	PB -1522	26 54 17 N	080 13 03 W	07-18-89	588	34
265418080082901	PB -1651	26 54 18 N	080 08 29 W	07-18-89	568	38
				08-23-89	520	36
265418080082902	PB -1652			07-19-89	638	43
				08-23-89	494	39
265439080102901	PB - 880	26 54 39 N	080 10 29 W	07-19-89	1030	49
				08-23-89	1040	110
265439080102904	PB - 875			07-18-89	540	53
				08-23-89	535	64
265443080152001	PB -1524	26 54 43 N	080 15 20 W	07-18-89	1920	350
				08-23-89	1790	360
265443080152002	PB -1552			07-19-89	2490	380
				08-23-89	2590	580
265508080083301	PB - 928	26 55 08 N	080 08 33 W	07-19-89	665	33
				08-23-89	498	32
265510080083401	PB - 711	26 55 10 N	080 08 34 W	07-19-89	395	23
265537080123001	PB -1653	26 55 37 N	080 12 30 W	08-23-89	961	140

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
265611080081201	PB - 832	26 56 11 N	080 08 12 W	10-27-88	740	64
				12-01-88	775	78
				12-28-88	760	70
				01-20-89	730	90
				02-21-89	740	93
				03-22-89	740	72
				05-24-89	725	65
				06-28-89	685	64
				07-25-89	695	63
				08-30-89	740	62
				09-26-89	780	65
265759080052401	PB - 595	26 57 59 N	080 05 24 W	10-26-88	29500	9500
				12-01-88	29100	9500
				12-28-88	29400	9400
				01-20-89	28500	9200
				02-21-89		9400
				03-22-89	27100	8700
				05-04-89	28500	9200
				05-24-89	26700	9500
				06-28-89	27200	9500
				07-24-89	28200	9000
				08-30-89	28500	8800
				09-26-89	30000	9200
265803080052502	PB - 746	26 58 03 N	080 05 25 W	10-26-88	560	74
				12-01-88	570	77
				12-28-88	560	80
				01-20-89	580	74
				02-21-89	725	85
				03-22-89	585	80
				05-04-89	600	68
				05-24-89	610	72
				06-28-89	620	100
				07-24-89	560	86
				08-30-89	640	72
				09-26-89	620	72

KEY TO SITE LOCATIONS ON FIGURE 17
ST. LUCIE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	271538080371401	STL 41	398
2	272524080242801	STL 125	398
3	272655080401601	STL 42	399

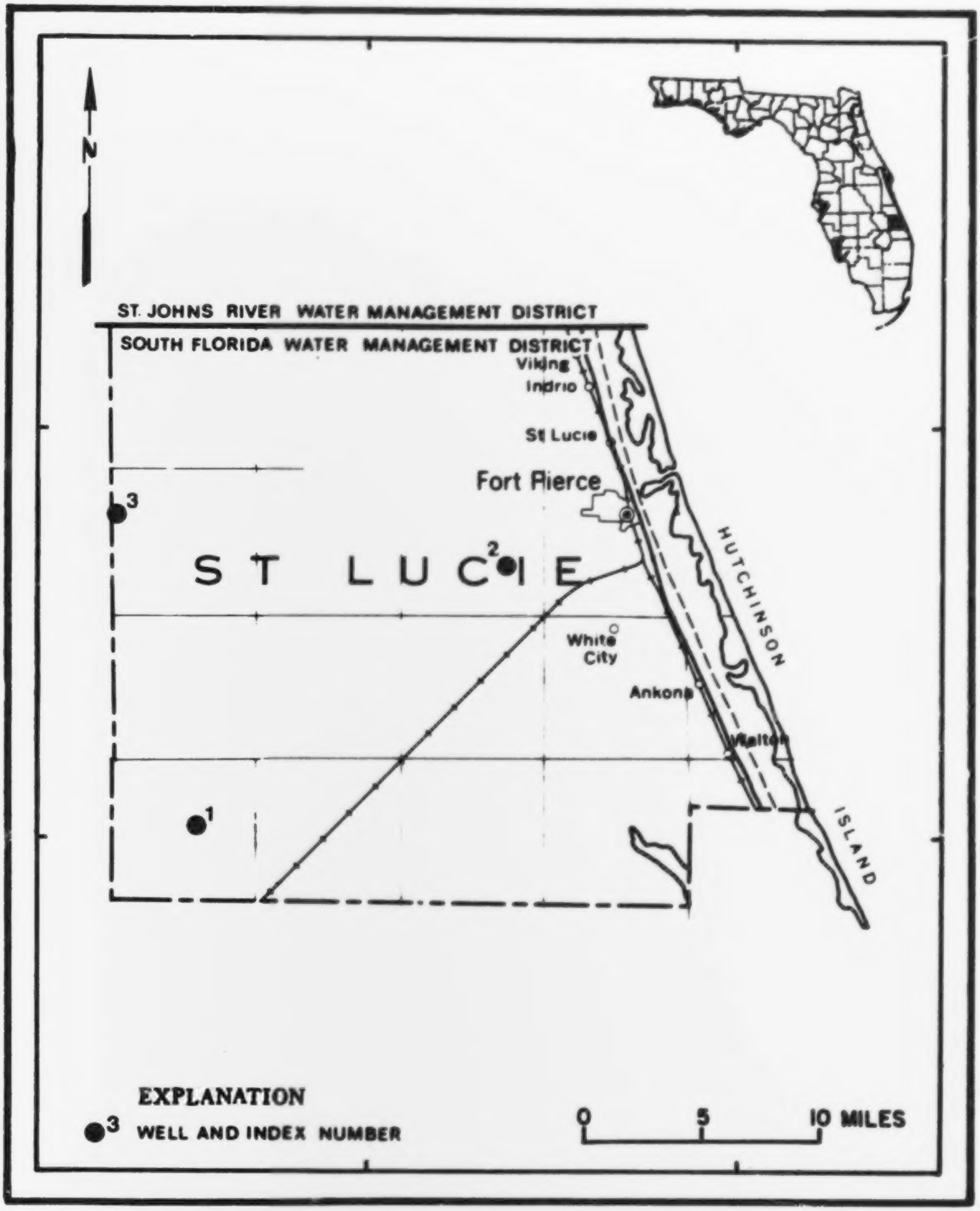
N
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
Viking
Indrio
St Lucie
Fort Pierce
ST LUCIE
White City
Ankona
Walton
HUTCHINSON
ISLAND
3
2
1
EXPLANATION
● 3 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 12. Location of wells in St. Lucie County.

ST. LUCIE COUNTY

WELL NUMBER.--271538080371401. Local Number STL 41. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°15'38", long 80°37'14", in NW¼NE¼ sec.15, T.37 S., R.37 E., Hydrologic Unit 03090202, 0.2 mi east of Blue Field Road, 4.4 mi south of State Highway 70, and 12.0 mi northwest of Stuart.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 17 ft, cased to 13 ft, gravel-packed 12-17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 28.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to April 1979 (water-level recorder), May 1979 to current year. Records of water levels prior to October 1950 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.29 ft NGVD, Dec. 23, 1985; lowest measured, 22.14 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JUN		
25...	--	23.60	12...	--	22.14
NOV			27...	1100	22.61
28...	--	25.16	JUL		
DEC			11...	1010	23.33
22...	--	23.26	25...	1040	24.49
JAN			AUG		
25...	--	23.59	11...	0950	24.35
FEB			29...	1035	26.71
22...	--	23.32	SEP		
MAR			13...	1010	26.41
23...	--	23.88			
MAY					
01...	1130	22.73			
15...	--	22.49			
31...	--	22.25			

WELL NUMBER.--272524080242801. Local Number STL 125. USGS Observation Well near Fort Pierce, Fl.

LOCATION.--Lat 27°25'24", long 80°24'28", in NW¼NE¼ sec.233, T.35 S., R.39 E., Hydrologic Unit 03090202, on Rock Road, 0.14 mi south of White Road, 0.53 mi west of Kings Highway, and 5.0 mi south of Fort Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation water-table well, diameter 4 in., depth 11.77 ft, cased to 11.77 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--Janaury 1967 to April 1979 (water-level recorder), May 1979 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.05 ft NGVD, Aug. 27, 1984; lowest measured, 13.53 ft NGVD, June 24, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
25...	--	16.54	03...	1225	16.76
NOV			15...	--	16.83
28...	--	16.21	31...	--	16.35
DEC			JUN		
22...	--	16.25	12...	--	15.83
JAN			27...	1200	15.43
25...	--	16.30	JUL		
FEB			11...	0910	15.49
22...	--	15.53	25...	1140	15.26
MAR			AUG		
23...	--	15.82	11...	1045	14.94
APR			29...	1130	16.91
24...	1350	15.94	SEP		
			13...	0900	16.55

ST. LUCIE COUNTY

WELL NUMBER.--272655080401601. Local Number STL 42. USGS Observation Well near Ft. Pierce, Fl.

LOCATION.--Lat 27°26'55", long 80°40'16", in SE¼NW¼ sec.7, T.35 S., R.37 E., Hydrologic Unit 03090202, 85 ft north of State Highway 15, and 20.0 mi west of Fort Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 18 ft, cased to 13 ft, gravel-packed 12-18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to April 1979 (water-level recorder), May 1979 to current year. Records of water levels prior to October 1950 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 30.19 ft NGVD, Oct. 16, 1956; lowest measured, 22.62 ft NGVD, May 22, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			JUN		
25...	--	25.30	12...	--	24.92
NOV			27...	1130	25.13
28...	--	25.56	JUL		
DEC			11...	0935	25.32
22...	--	25.40	25...	1115	25.59
JAN			AUG		
25...	--	25.60	11...	1020	25.40
FEB			29...	1110	25.85
22...	--	25.39	SEP		
MAR			13...	0930	25.96
23...	--	25.42			
MAY					
01...	1417	25.33			
15...	--	25.13			
31...	--	24.78			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
ST. LUCIE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	ELEV-ATION ABOVE NGVD (FEET) (72020)
271228080285301	STL- 180	27 12 28 N	080 28 53 W	05-01-89	18.94
271413080311201	STL- 185	27 14 13 N	080 31 12 W	10-28-88	24.19
271448080295501	STL- 161	27 14 48 N	080 29 55 W	10-28-88	22.42
271457080190201	STL- 270	27 14 57 N	080 19 02 W	05-02-89	2.56
271536080170001	PG - 23	27 15 36 N	080 17 00 W	10-27-88	7.51
				05-02-89	7.09
271618080245801	STL- 214	27 16 18 N	080 24 58 W	10-27-88	20.28
				05-02-89	20.50
271648080165701	STL- 276	27 16 48 N	080 16 57 W	05-02-89	11.46
271653080160101	STL- 277	27 16 53 N	080 16 01 W	05-02-89	11.90
271754080170601	STL- 174	27 17 54 N	080 17 06 W	10-27-88	11.86
				05-02-89	11.42
271755080152201	STL- 177	27 17 55 N	080 15 22 W	10-27-88	4.51
				02-17-89	4.06
				05-02-89	4.10
				07-26-89	3.44
271755080153001	STL- 175	27 17 55 N	080 15 30 W	10-27-88	8.05
				05-02-89	7.41
271755080153002	STL- 176			10-27-88	13.36
				05-02-89	12.79
271755080181901	STL- 173	27 17 55 N	080 18 19 W	10-27-88	7.40
				05-02-89	7.25
271802080193901	PG - 25	27 18 02 N	080 19 39 W	10-27-88	9.10
				04-24-89	9.23
				05-02-89	8.86
271826080295101	STL- 134	27 18 26 N	080 29 51 W	05-01-89	22.74
271853080323701	STL- 123	27 18 53 N	080 32 37 W	10-28-88	20.30
				05-01-89	19.87
272037080313701	PG - 26	27 20 37 N	080 31 37 W	10-27-88	10.36
				04-24-89	9.89
				05-02-89	9.49
272118080342301	PG - 18	27 21 18 N	080 34 23 W	10-28-88	17.91
				05-01-89	19.73
272133080394101	PG - 35N	27 21 33 N	080 39 41 W	05-01-89	28.35
272225080252301	STL- 130	27 22 25 N	080 25 23 W	10-27-88	18.33
				05-03-89	17.22
272315080183401	STL- 172	27 23 15 N	080 18 34 W	10-27-88	11.54
				05-02-89	10.74
272400080262901	PG - 10	27 24 00 N	080 26 29 W	10-27-88	11.76
				05-03-89	11.82
272423080215701	PG - 7	27 24 23 N	080 21 57 W	10-27-88	3.87
				04-24-89	3.52
				05-03-89	6.90
272425080223301	STL- 136	27 24 25 N	080 22 33 W	10-27-88	4.50
				05-03-89	4.49
272427080240201	STL- 213	27 24 27 N	080 24 02 W	10-27-88	8.91
272605080281902	PG - 15E	27 26 05 N	080 28 19 W	10-27-88	11.04
				05-01-89	14.28
272608080191001	PG - 1	27 26 08 N	080 19 10 W	10-27-88	2.95
				05-03-89	5.32
272622080220301	PG - 6	27 26 22 N	080 22 03 W	10-27-88	10.84
				05-03-89	10.73
272703080194801	STL- 191	27 27 03 N	080 19 48 W	02-17-89	7.09
				05-03-89	7.16
				07-26-89	6.58
272744080304601	PG - 16	27 27 44 N	080 30 46 W	10-27-88	19.44
				05-01-89	19.32
272806080201801	STL- 192	27 28 06 N	080 20 18 W	05-03-89	5.47
				07-26-89	4.75

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1988 TO SEPTEMBER 1989
ST. LUCIE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
272907080212301	PG - 5	27 29 07 N	080 21 23 W	10-27-88	15.53
				05-03-89	15.90
273109080270301	STL- 264	27 31 09 N	080 27 03 W	10-27-88	19.96
273302080265801	PG - 12	27 33 02 N	080 26 58 W	10-27-88	14.21
				05-01-89	14.33
273306080330502	PG - 13M	27 33 06 N	080 33 05 W	10-27-88	16.87
				05-01-89	17.11
273306080330503	PG - 13N			10-27-88	16.09
				05-01-89	16.46
273306080330504	PG - 13S			10-27-88	18.83
273315080224501	STL- 266	27 33 15 N	080 22 45 W	05-01-89	9.69

GROUND WATER QUALITY RECORDS
OCTOBER 1988 TO SEPTEMBER 1989
CONDUCTANCE AND CHLORIDE
ST. LUCIE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
271755080152201	STL- 177	27 17 55 N	080 15 22 W	10-27-88	630	52
				02-17-89	650	52
				05-02-89	640	64
				07-26-89	650	47
272703080194801	STL- 191	27 27 03 N	080 19 48 W	10-28-88	630	37
				02-17-89	620	30
				05-03-89	670	34
				07-26-89	610	27
272806080201801	STL- 192	27 28 06 N	080 20 18 W	10-28-88	795	100

Page

Accuracy of the records ... 7
Acknowledgement ... III
Acre-foot, definition of ... 12
Algae, definition of ... 12
Aquifer, definition of ... 12
Arrangement of records ... 7
Artesian, definition of ... 12
Ash mass, definition of ... 12

Bacteria, definition of ... 12
Bed load, definition of ... 14
Bed load, discharge, definition of ... 14
Bed material, definition of ... 12
Biochemical oxygen demand, definition of ... 12
Biomass, definition of ... 12
Bottom material, definition of ... 12

Cells/volume, definition of ... 12
CFS-day, definition of ... 12
CFSM-day, definition of ... 12
Chemical oxygen demand, definition of ... 12
Chlorophyll, definition of ... 12
Classification of records ... 7
Color unit, definition of ... 13
Contents, definition of ... 13
Control, definition of ... 13
Control structure, definition of ... 13
Cooperation ... 1
Cubic foot per second, definition of ... 13

Data collection and computation
    Stage and water discharge ... 5
    Ground-water levels ... 9
    Ground-water quality ... 10
Data presentation
    Stage and water discharge ... 5
    Surface-water quality ... 7
    Ground-water levels ... 10
    Ground-water quality ... 10
Definition of terms ... 12
Discharge, definition of ... 13
Dissolved, definition of ... 13
Dissolved solids concentration, definition of ... 13
Downstream order system ... 4
Drainage area, definition of ... 6
Drainage basin, definition of ... 13
Dry mass, definition of ... 12

Explanation of the records ... 4

Fecal coliform bacteria, definition of ... 12
Fecal streptoccocal bacteria, definition of ... 12

Gage height, definition of ... 13
Gaging station, definition of ... 13
Ground-water levels, records of ... 9
Ground-water quality, records of ... 10

Hardness of water, definition of ... 13
Hydrologic Bench-Mark Network, explanation of ... 3
Hydrologic conditions, summary of ... 2
Hydrologic unit, definition of ... 13

Identifying estimated daily discharge ... 7
Instantaneous discharge, definition of ... 13
Introduction ... 1

Laboratory measurements ... 8
Land-surface datum, definition of ... 13
Latitude-longitude system ... 4

Mean concentration, definition of ... 14
Mean discharge, definition of ... 13
Measuring point, definition of ... 13
Micrograms per gram (ug/g), definition of ... 13
Micrograms per liter (ug/L), definition of ... 13
Milligrams per liter (mg/L), definition of ... 13

National Geodetic Vertical Datum of 1929,
        definition of ... 13
National Stream Quality Accounting Network,
        explanation of ... 3
Networks and programs, special ... 3

Page

Onsite Measurement and sample collection ... 8
Organism, definition of ... 14
    count/area, definition of ... 14
    count/volume, definition of ... 14
    count, total, definition of ... 14
Other records available ... 7

arameter code, definition of ... 14
Partial-record station, definition of ... 14
Partical size, definition of ... 14
Partical size classification, definition of ... 14
Percent composition, definition of ... 14
Pesticides, definition of ... 14
Picocurie, definition of ... 14
Preface ... III
Publications on techniques of water-resources
        investigations ... 17

Records, explanation of the ... 4
    stage and water discharge ... 5
    surface-water quality ... 7
    ground-water levels ... 9
    ground-water quality ... 10
    other available ... 7
References, selected ... 19
Recoverable from bottom material, definition of ... 14
Remark codes ... 9
Return period, definition of ... 14
Runoff in inches, definition of ... 14

Sediment (surface-water quality) ... 8
Sediment, definition of ... 14
Sodium-adsorption-ration ... 15
Solute, definition of ... 15
Special networks and programs ... 3
Specific conductance, definition of ... 15
Stage and water discharge, records of ... 5
Stage discharge relation, definition of ... 15
Station identification numbers ... 4
Streamflow, definition of ... 15
Summary of hydrologic conditions ... 2
Surface area, definition of ... 15
Surface-water quality, records of ... 7
Surficial bed material, definition of ... 15
Suspended, definition of ... 15
    recoverable, definition of ... 15
    total, definition of ... 15
Suspended sediment, definition of ... 14
    concentration, definition of ... 14
    discharge, definition of ... 15
    load, definition of ... 15

Taxonomy, definition of ... 15
Temperature, water ... 8
Terms, definition of ... 12
Thermograph, definition of ... 15
Time-weighted average, definition of ... 16
Tons per acre-foot, definition of ... 16
    per day, definition of ... 16
Total, definition of ... 16
    Coliform bacteria, definition of ... 12
    Discharge, definition of ... 16
    Organism count, definition of ... 14
    Recoverable, definition of ... 16
    Sediment discharge, definition of ... 15
    Sediment load, definition of ... 15
Tritium network ... 3

Water-resources investigations,
        publications on techniques of ... 17
Water year, definition of ... 16
WATSTORE data, access to ... 11
Weighted average, definition of ... 16
Wet mass, definition of ... 12
WDR, definition of ... 16
WSP, definition of ... 16

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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